

# **Standard Guidance to Format Sample Results, Field Measurements, and Associated Metadata**

## **Electronic Data Deliverables (EDD)**

**Montana Department of Environmental Quality**



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# 1. General Information

This document describes how environmental data must be formatted before it is submitted to the Montana DEQ. Data providers are requested to create data tables and save them as ***tab-delimited text files***. Most commonly available software products such as Microsoft Access, Excel, and Lotus 1-2-3 can create tab-delimited files but remember:

- I. Do **not** include text delimiters such as quotation marks
- II. Do **not** include a row of column headings at the beginning of these files
- III. To delineate individual fields or columns using a tab
- IV. Do **not** include tabs anywhere in the actual data that you are formatting

There are two ***mandatory*** metadata tables that must be successfully submitted before sampling data and the results of field measurements can be accepted:

<b>PROJECTS</b>	Documents the reasons why data was collected.
<b>STATIONS</b>	Describes locations where samples and field measurements are taken.

For ***non-biological*** results, there are two different types of tables that can be submitted:

<b>FIELD MEASUREMENTS</b>	Results of field measurements and observations.
<b>CHEMISTRY</b>	Results of <b><i>non-biological</i></b> samples analyzed in a laboratory.

For ***biological*** results, there is one type of table that can be submitted:

<b>TAXON ABUNDANCE</b>	Census results associated with populations of biological organisms.
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The following sections list the data fields and format restrictions that are associated with each type of data table. **For more information or to request changes in these data formats, contact Jolene Berscheid at 406-444-5304.**

## 2. Guidance to Create Metadata Tables

### 2.1 PROJECTS – DEQ Short Project Format

Data Element	Definition	Requirements
Project ID*	Identifier for a specific data collection effort.	<b>Free Text:</b> 8 character limit
Project Name*	Name for a specific data collection effort.	<b>Free Text:</b> 60 character limit
Project Start Date	Date on which a specific data collection effort began.	<b>Acceptable Format:</b> MM/DD/YYYY
Project Duration	Planned duration of a specific data collection effort.	<b>Free Text:</b> 15 character limit
Project Document/Graphic	Document/Graphic associated with Project. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Project Purpose	Reasons why a specific data collection effort was initiated.	<b>Free Text:</b> 1999 character limit

**Notes:** \*Project ID and Project Name must be unique in the database.

## 2.2 STATIONS – DEQ Stations

Data Element	Definition	Requirements
Station ID*	User defined identifier for a location at which samples are collected and field measurements are made.	<b>Free Text:</b> 15 character limit.
Station Name	User defined name for a location at which samples are collected and field measurements are made. List Waterbody name first, then qualifiers (West Fork or –Upper), and follow with a short location description. Avoid using private landowner names.	<b>Free Text:</b> 60 character limit
Station Description	Description for a location at which samples are collected and field measurements are made. (Optional)	<b>Free Text:</b> 1999 character limit
Primary Type	Primary type of location at which samples are collected and field measurements are made.	<b>Valid Values:</b> Canal Cave Channelized stream Combined sewer Constructed Wetland Facility Gallery Lake Land Land runoff Landfill Mine/mine discharge Reservoir <b>River/Stream</b> Riverine impoundment Spring Storm sewer Waste pit Waste sewer Well Wetland
Secondary Type	Secondary type of location at which samples are collected and field measurements are made. Use “ <b>None</b> ” for all Primary Types <u>except</u> Canal, Facility, Mine/mine discharge, and Wetland.	<b>Valid Values:</b> (Primary – Secondary) Canal – Drainage Canal – Irrigation Canal – Transport Facility – Industrial Facility – Municipal Sewage (POTW) Facility – Municipal Water Supply (PWS) Facility – Other/combined Facility – Privately Owned non-industrial Mine/mine discharge – Adit (mine entrance) Mine/mine discharge – None Mine/mine discharge – Tailings Pile Mine/mine discharge – Waste Rock Pile Wetland – Estuarine, emergent Wetland – Estuarine, forested Wetland – Estuarine, scrub-shrub Wetland – Lacustrine, emergent Wetland – Palustrine, emergent Wetland – Palustrine, forested Wetland – Palustrine, moss-lichen Wetland – Palustrine shrub-scrub Wetland – Riverine, emergent
Latitude	Latitude, in decimal degrees, of a well or location where a sample is collected or field measurements are made.	<b>Format:</b> ##.#####
Longitude	Longitude, in decimal degrees, of a station where a sample is collected or field measurements are made.	<b>Format:</b> -###.#####

Data Element	Definition	Requirements
Geopositioning Method	Method used to determine Latitude and Longitude coordinates.	<b>Valid Values:</b> (Value – Description) 012 – GPS Carrier Phase Static Relative 013 – GPS Carrier Phase Kinematic Relative 014 – GPS Code Differential 015 – GPS Code Precise Position <b>016</b> – GPS Code Standard Position Off 017 – GPS Code Standard Position On 018 – Interpolation – Map 019 – Interpolation – Photo 020 – Interpolation – Satellite 021 – Interpolation – Other 022 – Loran C 027 – Unknown 028 – GPS Unspecified 030 – Interpolation – Digital Map Source
Geopositioning Datum	Datum used to determine Latitude and Longitude coordinates. MT DEQ standard is NAD83.	<b>Valid Values:</b> (Value – Description) NAD27 – North American Datum 1927 <b>NAD83</b> – North American Datum 1983 WGS84 – World Geodetic System 1984 OTHER – Other UNKWN – Unknown
Map Scale	Scale of the map used if the Latitude and Longitude coordinates were interpolated from a map. (Conditional)	<b>Free Text:</b> 20 character limit
Elevation	Ground elevation of a well or location where a sample is taken or field measurements are made. (Optional. Must provide elevation units, method, and datum IF elevation is given.)	<b>Format:</b> #####.#####
Elevation Units	Units of measure for the elevation measurement of a station where a sample is taken or field measurements are made. (Conditional)	<b>Valid Values:</b> ft or m
Elevation Method	Method used to determine the elevation of a station where a sample is taken or field measurements are made. (Conditional)	<b>Valid Values:</b> (Value – Description) 001 – GPS Carrier Phase Static Relative 002 – GPS Carrier Phase Kinematic Relative 003 – GPS Code Differential 004 – GPS Code Precise Position 005 – GPS Code Standard Position Off 006 – GPS Code Standard Position On 007 – Classical Surveying Techniques 008 – Other 009 – Altimetry 014 – Topographic Map Interpolation
Elevation Datum	Datum used to determine the elevation of a station where a sample is taken or field measurements are made. (Conditional)	<b>Valid Values:</b> (Value – Description) NAVD88 – North American Datum 1988 NGVD29 – National Geodetic Datum 1929 OTHER – Other SEALV – Elevation from Mean Sea-Level UNKWN – Unknown
Ecoregion Name	Name of ecoregion in which the station is located. (Optional. Recommended for biological sampling sites.)	<b>Free Text:</b> 60 character limit Mountain Foothill Valley and Plains Prairie
Station Document/Graphic	Document/Graphic associated with Station. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
State	2-character postal abbreviation of the State in which the station is located.	<b>Free Text:</b> 2 character limit
County	County in which the station is located.	<b>Valid Values:</b> Refer Appendix E
HUC	USGS Hydrologic Unit Code in which the station is located.	<b>Free Text:</b> 8 character limit

**Notes:** \* Station ID must be unique in STORET.

### 3. Guidance to Create Result Tables

#### 3.1 FIELD MEASUREMENTS – DEQ Field Measurements

Data Element	Definition	Requirements
Project ID	Identifier for a specific data collection effort.	<b>Free Text:</b> 8 character limit
Trip ID	Often combination of year and project acronym.	<b>Free Text:</b> 15 character limit
Trip Start Date	The date that the first sample was collected in the dataset.	<b>Acceptable Format:</b> MM/DD/YYYY
Station ID	User defined identifier for a location at which samples are collected and field measurements are made.	<b>Free Text:</b> 15 character limit
Station Visit Number	<b>Leave this field blank;</b> SIM and WebSIM will create one Station Visit per day.	<b>Free Text:</b> 3 character limit
Visit Document/Graphic	Document/Graphic associated with entire station visit. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Activity ID	ID that groups together a suite of field measurements that were made at the same date, time, place, and in the same medium.	<b>Free Text:</b> 12 character limit
Activity Type	Type that best describes the activity performed.	<b>Valid Value:</b> Field Msr/Obs
Activity Category	Category that best describes the chosen Activity Type.	<b>Valid Values:</b> Replicate Msr/Obs Routine Msr/Obs
Replicate Number*	Number that distinguishes a replicate field measurement from a primary one.	<b>Valid Values:</b> Integers between 01 and 99
Medium	Medium in which the field measurements were made.	<b>Valid Values:</b> Air Other Sediment Water
Activity Start Date	Date that the field measurements were made.	<b>Acceptable Format:</b> MM/DD/YYYY
Activity Start Time	Time that the field measurements were made. (Optional)	<b>Acceptable Format:</b> HH:MM
Activity Start Zone	Time zone that the field measurements were made. (Required if Activity Start Time given.)	<b>Valid Values:</b> MST
Personnel	Name of the person who collected the field measurements. <u>Name</u> must exist in STORET. (Optional)	<b>Acceptable Format:</b> LastName (space) FirstName with backslash between individuals.
Activity Depth	Depth from surface to where the field measurements were made. (Optional)	<b>Acceptable Format:</b> #####.##
Activity Depth Units	Units associated with the depth from surface to where the field measurements were made. (Required if Activity Depth is given.)	<b>Valid Values:</b> ft or m
Activity Comments	Text comments to be associated with a group of field measurements. (Optional)	<b>Free Text:</b> 256 character limit
Activity Document/Graphic	Document/Graphic associated with entire activity. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Characteristic	Name of the characteristic that was measured.	<b>Valid Values:</b> Refer to Appendix C
Result Value	Value that was measured.	<b>Acceptable Format:</b> #####.#####.#####
Result Value Units	Units associated with the value measured.	<b>Valid Values:</b> Refer to Appendix D
Field/Lab Procedure Source	The source of the field/lab procedure. (Required if Field/Lab Procedure ID is given.)	<b>Valid Values:</b> Refer to Appendix A
Field/Lab Procedure ID	Procedure ID associated with the method used to obtain results. Procedure ID is required for Flow and pH, but generally not for other common field meter readings.	<b>Valid Values:</b> Refer to Appendix A
Result Comment	Comments associated with the measured value. (Optional)	<b>Free Text:</b> 256 character limit
Result Document/Graphic	Document/Graphic associated with specific result. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Value Type	Type of result that was measured.	<b>Valid Values:</b> Actual Calculated Estimated

**Note:** \*Only populate Replicate Number if the value in the Activity Category is “Replicate Msr/Obs”. All replicate measurements should have the same Station ID and Activity ID as the measurements they are associated with.

## 3.2 CHEMISTRY – DEQ Chemistry

Data Element	Definition	Requirements
Project ID	Identifier for a specific data collection effort.	<b>Free Text:</b> 8 character limit
Trip ID	Often combination of year and project acronym.	<b>Free Text:</b> 15 character limit
Trip Start Date	The date that the first sample was collected in the dataset for the calendar year.	<b>Acceptable Format:</b> MM/DD/YYYY
Station ID	User defined identifier for a location at which samples are collected and field measurements are made.	<b>Free Text:</b> 15 character limit.
Station Visit Number	<b>Leave this field blank;</b> SIM and WebSIM will create one Station Visit per day.	<b>Free Text:</b> 3 character limit
Visit Document/Graphic	Document/Graphic associated with entire station visit. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Activity ID	ID that groups together the results of a sample analyzed in a lab.	<b>Free Text:</b> 12 character limit. Typically, Laboratory ID for Chemistry lab results.
Activity Type	Type that best describes the activity performed.	<b>Valid Values:</b> Sample
Activity Category	Category that best describes the kind of sample that was collected and analyzed.	<b>Valid Values:</b> Composite w/o Parents Depletion Replicate Field Blank Field Calibration Check Field Equipment Rinsate Blank Field Replicate/Duplicate Field Spike Field Split Field Surrogate Spike Integrated Cross-Sectional Profile Integrated Time Series Integrated Flow Proportioned Integrated Horizontal Profile Integrated Vertical Profile <b>Routine Sample</b>
Replicate Number*	Number that distinguishes a replicate sample analysis results from a primary one.	<b>Valid Values:</b> Integers between 01 and 99
Medium	Medium in which the sample was collected.	<b>Valid Values:</b> Air Sediment Soil Water
Activity Comment	Text comments to be associated with a sample. (Optional)	<b>Free Text:</b> 256 character limit
Activity Document/Graphic	Document/Graphic associated with entire activity. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Activity Start Date	Date that the sample was collected.	<b>Acceptable Format:</b> MM/DD/YYYY
Activity Start Time	Time that the sample was collected. (Optional)	<b>Acceptable Format:</b> HH:MM
Activity Start Time Zone	Time zone that the sample was collected. (Required if Activity Start Time is given.)	<b>Valid Values:</b> MDT MST
Activity Depth**	Depth from surface to where the sample was collected. (Optional)	<b>Acceptable Format:</b> #####.##
Activity Depth Units**	Units associated with the depth from surface to where the sample was collected. (Required if Depth is given.)	<b>Valid Values:</b> ft or m
Activity Upper Depth**	Depth from surface to the top of the place where the sample was collected if the sample was collected over a range of depths. (Optional)	<b>Acceptable Format:</b> #####.##

Activity Lower Depth**	Depth from surface to the bottom of the place where the sample was collected if the sample was collected over a range of depths. (Optional)	<b>Acceptable Format:</b> #####.##
Activity Depth Range Units***	Units associated with the upper and lower depths where a sample was collected. (Required if Depth Range given.)	<b>Valid Values:</b> ft or m
Sample Collection Procedure ID	Sample Collection Procedure ID that exists in STORET and is associated with the Organization ID to which this data is to be added.	<b>Valid Values:</b> Refer to template pick lists.
Characteristic	Name of the characteristic that was measured.	<b>Valid Values:</b> Refer to Appendix C
Result Value	Value that was measured.	<b>Acceptable Format:</b> #####.####.#####
Result Value Units	Units associated with the value measured.	<b>Valid Values:</b> Refer to Appendix D
Detection Limit	Detection limit to be associated with the result of a sample analysis. (Optional)	<b>Free Text:</b> 8 character limit
Detection Limit Units	Units of measure associated with the detection limit that is being reported. (Required if Detection Limit is given.)	<b>Valid Values:</b> Refer to Appendix D
Detection Limit Comment	Comments specific to the detection limit. (Optional).	<b>Free Text:</b> 254 character limit
Analysis Date	The date the sample was analyzed in the lab. (Optional)	<b>Acceptable Format:</b> MM/DD/YYYY
Analysis Time	The time the sample was analyzed in the lab. (Optional)	<b>Acceptable Format:</b> HH:MM
Analysis Time Zone	The time zone the sample was analyzed in the lab. (Required if Analysis Time is given.)	<b>Valid Values:</b> MDT MST
Field/Lab Procedure Source	The source of the lab analytical procedure.	<b>Valid Values:</b> Refer to Appendix A
Field/Lab Procedure ID	The lab analytical procedure that was used to obtain a result from a sample. (Refer to Appendix C in the Excel version of the Montana Guidance Appendicies to determine which characteristics require a field/lab procedure.)	<b>Valid Values:</b> Refer to Appendix A
Sample Fraction	Fraction of the sample that was analyzed to obtain a Result Value. (Refer to Appendix C in the Excel version of the Montana Guidance Appendicies to determine which characteristics require a sample fraction.)	<b>Valid Values:</b> Total Dissolved Suspended Settleable Non-settleable Filterable Non-filterable Volatile Non-volatile Acid Soluble Vapor Supernate Fixed Total Recoverable
Lab Sample Prep Procedure Source	The source of the laboratory sample preparation procedure. (Required if Lab Prep Procedure is given.)	<b>Valid Values:</b> Refer to Appendix B
Lab Sample Prep Procedure	The code or identifier of the laboratory sample preparation procedure. (Optional)	<b>Valid Values:</b> Refer to Appendix B
Result Comment	Comments associated with a measured value. (Optional)	<b>Free Text:</b> 256 character limit
Result Document/Graphic	Document/Graphic associated with specific result. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Personnel	Name of the person who collected the sample. <u>Name must exist in STORET.</u>	<b>Acceptable Format:</b> LastName (space) FirstName with a backslash between multiple individuals.
Laboratory ID	Lab defined acronym of 8 characters or less. Contact MT-DEQ to establish a new Laboratory ID under your Organization ID.	<b>Valid Values:</b> STATELAB ENERGY
Laboratory Batch ID	Laboratory defined batch Run ID. (Optional)	<b>Free Text:</b> 10 character limit

Value Type	Type of result that was measured.	<b>Valid Values:</b> Actual Calculated Estimated
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**Notes:** \* Only populate the field Replicate Number if the value in the Activity Category field is “Field Replicate/Duplicate” or “Depletion Replicate”. All replicate analyses should have the same Station ID and Activity ID as the sample they are associated with.

\*\* Submit Depth and Depth Units OR Upper Depth, Lower Depth, and Depth Range Units **NOT BOTH**.

## 4. Guidance to Create Biological Result Tables

### 4.1 TAXON ABUNDANCE – DEQ Taxon Abundance

Field Name	Definition	Requirements
Project ID	Identifier for a specific data collection effort.	<b>Free Text:</b> 8 character limit
Trip ID	Often combination of year and project acronym.	<b>Free Text:</b> 15 character limit
Trip Start Date	The date that the first sample was collected in the dataset for the calendar year.	<b>Acceptable Format:</b> MM/DD/YYYY
Station ID	User defined identifier for a location at which samples are collected and field measurements are made.	<b>Free Text:</b> 15 character limit
Station Visit Number	<b>Leave this field blank;</b> SIM and WebSIM will create one Station Visit per day.	<b>Free Text:</b> 3 character limit
Visit Document/Graphic	Document/Graphic associated with entire station visit. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Activity ID	Sample ID that groups together the results of a sample analyzed in a lab.	<b>Free Text:</b> 12 character limit
Activity Type	Type that best describes the activity performed.	<b>Valid Values:</b> Sample
Activity Category	Category that best describes the kind of sample that was collected and analyzed.	<b>Valid Values:</b> Composite w/o Parents Depletion Replicate Field Blank Field Calibration Check Field Equipment Rinsate Blank Field Replicate/Duplicate Field Spike Field Split Field Surrogate Spike Integrated Cross-Sectional Profile Integrated Time Series Integrated Flow Proportioned Integrated Horizontal Profile Integrated Vertical Profile <b>Routine Sample</b>
Replicate Number*	Number that distinguishes a replicate sample analysis results from a primary one. Do not use for a primary sample.	<b>Valid Values:</b> Integers between 01 and 99
Medium	Medium of the sample that was collected.	<b>Valid Value:</b> Biological
Intent	Objective of the biological data collection effort.	<b>Valid Value:</b> Taxon Abundance
Community	Type of biological population that was sampled in a study of taxon abundance.	<b>Valid Values:</b> Periphyton Phytoplankton/Zooplankton Ichthyoplankton Fish/Nekton <b>Benthic Macroinvertebrate</b> Aquatic Vegetation Terrestrial Vegetation
Activity Start Date	Date that the sample was collected.	<b>Acceptable Format:</b> MM/DD/YYYY
Personnel	Name of the person who collected the sample. <u>Name must exist in STORET.</u>	<b>Acceptable Format:</b> LastName (space) FirstName with a backslash between multiple individuals.
Sample Collection Procedure ID	Sample Collection Procedure ID that exists in STORET and is associated with the Organization ID to which this data is to be added. Contact MT-DEQ to establish new sample collection procedures under your Organization ID.	<b>Valid Values:</b> HESS JAB KICK
Bio Results Group ID	Describes sample results. M1 = Multi-Taxon Population Census.	<b>Valid Value:</b> M1
Bio Results Type	Describes sample results where Medium=Biological, Intent= Taxon Abundance, and Community=any selection.	<b>Valid Value:</b> Multi-Taxon Population Census

Field Name	Definition	Requirements
Activity Comments	Text comments to be associated with a sample. (Optional)	<b>Free Text:</b> 256 character limit
Activity Document/Graphic	Document/Graphic associated with entire activity. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Characteristic	Name of the characteristic that was measured. (Taxonomic Name)	<b>Valid Values:</b> Refer to ITIS
Result Value	Value that was measured. (For example, number of organisms or count.)	<b>Acceptable Format:</b> #####.####
Result Value Units	Units associated with the value measured.	<b>Valid Values:</b> Refer to Appendix D
Result Comment	Comments associated with the measured value. (Optional)	<b>Free Text:</b> 256 character limit
Result Document/Graphic	Document/Graphic associated with specific result. Acceptable file formats: PDF, JPG, BMP, GIF, TXT. Maximum of one file.	<b>Acceptable Format:</b> Complete file name including extension
Laboratory ID	Lab defined acronym of 8 characters or less. Contact MT-DEQ to establish a new Laboratory ID under your Organization ID.	<b>Valid Value:</b> RHITHRON
Value Type	Type of result that was measured.	<b>Valid Values:</b> Actual Calculated Estimated

**Notes:** \* Only populate Replicate Number if the value in the Sample Category field is “Field Replicate/Duplicate”. All replicate analyses should have the same Station ID and Activity ID as the sample they are associated with.

## Appendix A. Valid Values for Result Analytical Procedures and Sources

**\*\*\*\*\* In the format Procedure ID | Source \*\*\*\*\***

00-01 USEPA	10200-F APHA	15 USEPA	1638 USEPA
00-02 USEPA	10200-G APHA	150.1 USEPA	1639 USEPA
00-03 USEPA	10200-H APHA	150.2 USEPA	1640 USEPA
00-04 USEPA	10200-I APHA	150.2_M USEPA	1648 USEPA
00-05 USEPA	10200-J APHA	150.6 IL/SWSD	1649 USEPA
00-06 USEPA	1022 NIOSH	1500 NIOSH	1650 USEPA
00-07 USEPA	1024 NIOSH	1501 NIOSH	1651 USEPA
00-09 USEPA	103 USEPA	1550 NIOSH	1652 USEPA
0010(B) USEPA	10300-C APHA	1551 NIOSH	1653 USEPA
0010(BT) USEPA	10300-D APHA	16 USEPA	1654 USEPA
0010(W) USEPA	104 USEPA	160.1 USEPA	1656(ECD) USEPA
0011-0 USEPA	10400-D APHA	160.1_M USEPA	1656(HSD) USEPA
0011A USEPA	10400-E APHA	160.2 USEPA	1657 USEPA
002(A) USEPA	105 USEPA	160.2_M USEPA	1658 USEPA
002(W) USEPA	1050(A) MT-DEQ	160.3 USEPA	1659 USEPA
0023A USEPA	10500-C APHA	160.4 USEPA	1660 USEPA
004(A) USEPA	106 USEPA	160.5 USEPA	1661 USEPA
004(S) USEPA	107 USEPA	1600 USEPA	1662 USEPA
004(W) USEPA	107A USEPA	1600 NIOSH	1663 USEPA
005(A) USEPA	108 USEPA	1601 USEPA	1664 USEPA
005(BT) USEPA	10A USEPA	1601 NIOSH	1665 USEPA
005(S) USEPA	10B USEPA	1602 USEPA	1666 USEPA
005(W) USEPA	11 USEPA	1602 NIOSH	1667 USEPA
008(BT) USEPA	110.1 USEPA	1603 USEPA	1671 USEPA
008(S) USEPA	110.2 USEPA	1603 NIOSH	1673 USEPA
008(V) USEPA	110.3 USEPA	1604 USEPA	16A USEPA
008(W) USEPA	1103.1 USEPA	1604 NIOSH	16B USEPA
1 USEPA	1103_1 USEPA	1605 USEPA	17 USEPA
10 USEPA	1104 USEPA	1606 NIOSH	170.1 USEPA
1000 NIOSH	1106.1 USEPA	1608 NIOSH	18 USEPA
10001 HACH	1106_1 USEPA	1609 NIOSH	180.1 USEPA
10002 HACH	111 USEPA	1610 NIOSH	1A USEPA
1001 HACH	114 USEPA	1611 NIOSH	1AP73-7 ENV/CANADA
1001 NIOSH	115 USEPA	1612 NIOSH	1AP77-A ENV/CANADA
10018 HACH	12 (ATM PB) USEPA	1613 NIOSH	1RM-1 ENV/CANADA
1002 NIOSH	12 (ISOTOPES) USEPA	1613(S) USEPA	1RM-15 ENV/CANADA
10027 HACH	120.1 USEPA	1613(W) USEPA	1RM-19 ENV/CANADA
10028 HACH	120.1_M USEPA	1614 NIOSH	1RM-20 ENV/CANADA
10029 HACH	120.6 IL/SWSD	1615 NIOSH	1RM-5 ENV/CANADA
1003 NIOSH	13 USEPA	1616 NIOSH	1RM-6 ENV/CANADA
1004 NIOSH	130.1 USEPA	1617 NIOSH	1RM-7 ENV/CANADA
1005 NIOSH	130.2 USEPA	1618 USEPA	1SRM-1 ENV/CANADA
1006 NIOSH	1300 NIOSH	1618 NIOSH	2.1 (ATM SO2) USEPA
1007 NIOSH	1301 NIOSH	1619 NIOSH	2.1 (PART.PM10) USEPA
1008 NIOSH	13A USEPA	1620 NIOSH	2.11 USEPA
1009 NIOSH	13B USEPA	1620(A) USEPA	2.1A USEPA
101 USEPA	140.1 USEPA	1620(B) USEPA	2.2 USEPA
1010 NIOSH	1400 NIOSH	1620(C) USEPA	2.3 USEPA
1011 NIOSH	1401 NIOSH	1620(D) USEPA	2.6 USEPA
1012 NIOSH	1402 NIOSH	1622 USEPA	2.8 USEPA
1013 NIOSH	1403 NIOSH	1623 USEPA	2.9 USEPA
1014 NIOSH	1404 NIOSH	1624(S) USEPA	20 USEPA
1015 NIOSH	1450 NIOSH	1624(W) USEPA	200 USEPA
1016 NIOSH	1451 NIOSH	1625(AW) USEPA	200.1 USEPA
1017 NIOSH	1452 NIOSH	1625(BNW) USEPA	200.1(FLAA) USEPA
1018 NIOSH	1453 NIOSH	1625(S) USEPA	200.1(GFAA) USEPA
1019 NIOSH	1454 NIOSH	1631 USEPA	200.1(ICP) USEPA
101A USEPA	1457 NIOSH	1632 USEPA	200.10_M USEPA
102 USEPA	1458 NIOSH	1636 USEPA	200.11 USEPA
1020 NIOSH	1459 NIOSH	1637 USEPA	200.12 USEPA

200.13 USEPA	2130-B APHA	246.2 USEPA	2560-D APHA
200.15 USEPA	215.1 USEPA	249.1 USEPA	2570-B APHA
200.6 IL/SWSD	215.1_M USEPA	249.1_M USEPA	258.1 USEPA
200.62(B) USEPA	215.2 USEPA	249.1OR2\200.7 MT-DEQ	258.1_M USEPA
200.62(C) USEPA	2150 APHA	249.1OR2\200.7 MONT-DEQ	2580 APHA
200.7(S) USEPA	2160-B APHA	249.2 USEPA	25A USEPA
200.7(W) USEPA	2160-C APHA	249.2_M USEPA	25B USEPA
200.7_M USEPA	2170 APHA	25 USEPA	25C USEPA
200.8(S) USEPA	218.1 USEPA	2500 NIOSH	25D USEPA
200.8(W) USEPA	218.1_M USEPA	2501 NIOSH	25E USEPA
200.9 USEPA	218.2 USEPA	2504 NIOSH	26 USEPA
2000 NIOSH	218.2_M USEPA	2505 NIOSH	264.1 USEPA
2002 NIOSH	218.3 USEPA	2506 NIOSH	264.2 USEPA
2003 NIOSH	218.4 USEPA	2507 NIOSH	265.1 USEPA
2004 NIOSH	218.5 USEPA	2508 NIOSH	265.2 USEPA
2005 NIOSH	218.6 USEPA	2510 APHA	267.1 USEPA
2007 NIOSH	219.1 USEPA	2510 NIOSH	267.2 USEPA
2008 NIOSH	219.1_M USEPA	2513 NIOSH	26A USEPA
201(CSR) USEPA	219.2 USEPA	2514 NIOSH	270.2 USEPA
201(EGR) USEPA	219.2_M USEPA	2515 NIOSH	270.2_M USEPA
2010 NIOSH	220.1 USEPA	2516 NIOSH	270.3 USEPA
2011 NIOSH	220.1_M USEPA	2517 NIOSH	272.1 USEPA
2012 NIOSH	220.1OR2\200.7 MT-DEQ	2518 NIOSH	272.1_M USEPA
2013 NIOSH	220.1OR2\200.7 MONT-DEQ	2519 NIOSH	272.2 USEPA
2014 NIOSH	220.2 USEPA	252.1 USEPA	272.2_M USEPA
2015 NIOSH	220.2_M USEPA	252.2 USEPA	273.1 USEPA
202 USEPA	221.1 USFDA	2520-B APHA	273.1_M USEPA
202.1 USEPA	23 USEPA	2520-C APHA	273.2 USEPA
202.1_M USEPA	231.1 USFDA	2520-D APHA	279.1 USEPA
202.1OR2\200.7 MT-DEQ	231.1 USEPA	2521 NIOSH	279.1_M USEPA
202.1OR2\200.7 MONT-DEQ	231.2 USEPA	2522 NIOSH	279.2 USEPA
202.2 USEPA	2310 APHA	2523 NIOSH	279.2_M USEPA
202.2_M USEPA	2320 APHA	2524 NIOSH	2810 APHA
202.2_M/HG) USEPA	2340 APHA	2526 NIOSH	282.1 USEPA
202.62(D) USEPA	235.1 USEPA	2527 NIOSH	282.2 USEPA
203 USEPA	235.2 USEPA	2528 NIOSH	283.1 USEPA
203A USEPA	2350-B APHA	2529 NIOSH	283.2 USEPA
203B USEPA	2350-C APHA	253.1 USEPA	286.1 USEPA
203C USEPA	2350-D APHA	253.2 USEPA	286.1_M USEPA
204.1 USEPA	2350-E APHA	2530 NIOSH	286.2 USEPA
204.1_M USEPA	236.1 USEPA	2530-B APHA	286.2_M USEPA
204.2 USEPA	236.1_M USEPA	2530-C APHA	289.1 USEPA
204.2_M USEPA	236.1OR2\200.7 MT-DEQ	2532 NIOSH	289.1_M USEPA
206.2 USEPA	236.1OR2\200.7 MONT-DEQ	2533 NIOSH	289.1OR2\200.7 MT-DEQ
206.2_M USEPA	236.2 USEPA	2534 NIOSH	289.1OR2\200.7 MONT-DEQ
206.3 USEPA	236.2_M USEPA	2535 NIOSH	289.2 USEPA
206.3_M USEPA	239.1 USEPA	2536 NIOSH	289.2_M USEPA
206.4 USEPA	239.1_M USEPA	2537 NIOSH	29 USEPA
206.5 USEPA	239.2 USEPA	2538 NIOSH	3 USEPA
208.1 USEPA	239.2_M USEPA	2539 NIOSH	3.2-B APHA
208.1_M USEPA	242.1 USEPA	2540 NIOSH	3.2-C APHA
208.2 USEPA	242.1_M USEPA	2540-B APHA	3.2-D APHA
208.2_M USEPA	242.4 USFDA	2540-C APHA	3.3-B APHA
210.1 USEPA	243.1 USEPA	2540-D APHA	3.3-C APHA
210.1_M USEPA	243.1_M USEPA	2540-E APHA	3.4 APHA
210.2 USEPA	243.1OR2\200.7 MT-DEQ	2540-F APHA	3.5 APHA
210.2_M USEPA	243.1OR2\200.7 MONT-DEQ	2540-G APHA	300(A) USEPA
211.1 USFDA	243.2 USEPA	2541 NIOSH	300(B) USEPA
212.3 USEPA	243.2_M USEPA	2542 NIOSH	300.6 IL/SWSD
2120-B APHA	245.1 USEPA	2543 NIOSH	300.7 IL/SWSD
2120-C APHA	245.1_M USEPA	2544 NIOSH	300_M USEPA
2120-D APHA	245.2 USEPA	2545 NIOSH	3040 USEPA
2120-E APHA	245.2_M USEPA	2546 NIOSH	304A USEPA
213.1 USEPA	245.3 USEPA	255.1 USEPA	304B USEPA
213.1_M USEPA	245.5 USEPA	255.2 USEPA	305 USEPA
213.2 USEPA	245.5_M USEPA	2550 APHA	305.1 USEPA
213.2_M USEPA	245.6 USEPA	2560-B APHA	305.2 USEPA
2130 APHA	246.1 USEPA	2560-C APHA	306 USEPA

306A   USEPA	3500-BE(C)   APHA	3500-SR(D)   APHA	3A   USEPA
310.1   USEPA	3500-BE(D)   APHA	3500-TH   APHA	3H-01   USDOE/EML
310.1_M   USEPA	3500-BI   APHA	3500-TI   APHA	3H-02   USDOE/EML
310.2   USEPA	3500-CA(B)   APHA	3500-TL(B)   APHA	3H-03   USDOE/EML
3111-B   APHA	3500-CA(C)   APHA	3500-TL(C)   APHA	4   USEPA
3111-C   APHA	3500-CA(D)   APHA	3500-V-B   APHA	4000   NIOSH
3111-D   APHA	3500-CD(B)   APHA	3500-V-C   APHA	405.1   USEPA
3111-E   APHA	3500-CD(C)   APHA	3500-V-D   APHA	410.1   USEPA
3112-B   APHA	3500-CD(D)   APHA	3500-ZN(B)   APHA	410.2   USEPA
3113-B   APHA	3500-CO(B)   APHA	3500-ZN(C)   APHA	410.3   USEPA
3114-B   APHA	3500-CO(C)   APHA	3500-ZN(D)   APHA	410.4   USEPA
3114-C   APHA	3500-CR(B)   APHA	3500-ZN(E)   APHA	410_M(A)   USEPA
3120   APHA	3500-CR(C)   APHA	3500-ZN(F)   APHA	410_M(B)   USEPA
3130   APHA	3500-CR(D)   APHA	3503   NIOSH	4110-B   APHA
314   USEPA	3500-CR(E)   APHA	3505   NIOSH	4110-C   APHA
320.1   USEPA	3500-CS   APHA	3506   NIOSH	4110-C   APHA
325.1   USEPA	3500-CU(B)   APHA	3507   NIOSH	413.1   USEPA
325.2   USEPA	3500-CU(C)   APHA	3508   NIOSH	413.2   USEPA
325.3   USEPA	3500-CU(D)   APHA	3509   NIOSH	415.1   USEPA
325.3_DIONEX   MT-DEQ	3500-CU(E)   APHA	351.1   USEPA	415.2   USEPA
325.3_DIONEX   MONT-DEQ	3500-FE(B)   APHA	351.2   USEPA	415.2_M   USEPA
325.6   IL/SWSD	3500-FE(C)   APHA	351.3(A)   USEPA	418.1   USEPA
325_M(A)   USEPA	3500-FE(D)   APHA	351.3(B)   USEPA	420.1   USEPA
325_M(B)   USEPA	3500-HG(B)   APHA	351.3(C)   USEPA	420.2   USEPA
330.1   USEPA	3500-HG(C)   APHA	351.4   USEPA	420.3   USEPA
330.2   USEPA	3500-IR   APHA	3510   NIOSH	420.4   USEPA
330.3   USEPA	3500-K-B   APHA	3511   NIOSH	425.1   USEPA
330.4   USEPA	3500-K-C   APHA	3512   NIOSH	430.1   USEPA
330.5   USEPA	3500-K-D   APHA	3513   NIOSH	430.2   USEPA
335.1   USEPA	3500-K-E   APHA	3514   NIOSH	440(S)   USEPA
335.2   USEPA	3500-LI(B)   APHA	3515   NIOSH	440(W)   USEPA
335.2(MIDI)   USEPA	3500-LI(C)   APHA	3516   NIOSH	445   USEPA
335.2_M(S)   USEPA	3500-LI(D)   APHA	3518   NIOSH	450.1   USEPA
335.2_MA(W)   USEPA	3500-MG(B)   APHA	352.1   USEPA	4500-B-B   APHA
335.2_MB(W)   USEPA	3500-MG(C)   APHA	353.1   USEPA	4500-B-C   APHA
335.2_MC(W)   USEPA	3500-MG(D)   APHA	353.2   USEPA	4500-B-D   APHA
335.3   USEPA	3500-MG(E)   APHA	353.2_M   USEPA	4500-BR(B)   APHA
335.4   USEPA	3500-MN(B)   APHA	353.3   USEPA	4500-BR(C)   APHA
335.63   USEPA	3500-MN(C)   APHA	353.4   USEPA	4500-CL(B)   APHA
340.1   USEPA	3500-MN(D)   APHA	353.6   IL/SWSD	4500-CL-(B)   APHA
340.2   USEPA	3500-MO(B)   APHA	354.1   USEPA	4500-CL(C)   APHA
340.2_M   USEPA	3500-MO(C)   APHA	360.1   USEPA	4500-CL-(C)   APHA
340.3   USEPA	3500-NA(B)   APHA	360.2   USEPA	4500-CL(D)   APHA
340.6   IL/SWSD	3500-NA(C)   APHA	365.1   USEPA	4500-CL-(D)   APHA
345.1   USEPA	3500-NA(D)   APHA	365.2   USEPA	4500-CL(E)   APHA
350.1   USEPA	3500-NI(B)   APHA	365.3   USEPA	4500-CL-(E)   APHA
350.2(A)   USEPA	3500-NI(C)   APHA	365.4   USEPA	4500-CL(F)   APHA
350.2(B)   USEPA	3500-OS   APHA	365.5   USEPA	4500-CL-(F)   APHA
350.2(C)   USEPA	3500-PB(B)   APHA	365.6   IL/SWSD	4500-CL(G)   APHA
350.3   USEPA	3500-PB(C)   APHA	365_M   USEPA	4500-CL(H)   APHA
350_M(A)   USEPA	3500-PB(D)   APHA	370.1   USEPA	4500-CL(I)   APHA
350_M(B)   USEPA	3500-PD   APHA	3700   NIOSH	4500-CLO(B)   APHA
350_M(C)   USEPA	3500-PT   APHA	3701   NIOSH	4500-CLO(C)   APHA
3500   NIOSH	3500-RE   APHA	3702   NIOSH	4500-CLO(D)   APHA
3500-AG(B)   APHA	3500-RH   APHA	375.1   USEPA	4500-CLO(E)   APHA
3500-AG(C)   APHA	3500-RU   APHA	375.2   USEPA	4500-CN(C)   APHA
3500-AG(D)   APHA	3500-SB(B)   APHA	375.3   USEPA	4500-CN(D)   APHA
3500-AL(B)   APHA	3500-SB(C)   APHA	375.3_DIONEX   MT-DEQ	4500-CN(E)   APHA
3500-AL(C)   APHA	3500-SE(C)   APHA	375.3_DIONEX   MONT-DEQ	4500-CN(F)   APHA
3500-AL(D)   APHA	3500-SE(D)   APHA	375.4   USEPA	4500-CN(G)   APHA
3500-AL(E)   APHA	3500-SE(E)   APHA	375.6   IL/SWSD	4500-CN(H)   APHA
3500-AS(B)   APHA	3500-SE(F)   APHA	375_M(A)   USEPA	4500-CN(I)   APHA
3500-AS(C)   APHA	3500-SE(G)   APHA	375_M(B)   USEPA	4500-CN(J)   APHA
3500-AS(D)   APHA	3500-SE(H)   APHA	376.1   USEPA	4500-CN(K)   APHA
3500-AU   APHA	3500-SE(I)   APHA	376.2   USEPA	4500-CN(L)   APHA
3500-BA(B)   APHA	3500-SN   APHA	377.1   USEPA	4500-CN(M)   APHA
3500-BA(C)   APHA	3500-SR(B)   APHA	3810   USEPA	4500-CO2(B)   APHA
3500-BE(B)   APHA	3500-SR(C)   APHA	3820   USEPA	4500-CO2(C)   APHA

4500-F-B APHA	5009 NIOSH	531.1 USEPA	6007 NIOSH
4500-F-C APHA	5010 NIOSH	5310-B APHA	6008 NIOSH
4500-F-D APHA	5011 NIOSH	5310-C APHA	6009 NIOSH
4500-F-E APHA	5012 NIOSH	5310-D APHA	601 USEPA
4500-F-F APHA	5013 NIOSH	5320-B APHA	6010 NIOSH
4500-H APHA	5014 NIOSH	547 USEPA	6010A USEPA
4500-I-(B) APHA	5016 NIOSH	548 USEPA	6010B USEPA
4500-I-(C) APHA	5017 NIOSH	548.1 USEPA	6011 NIOSH
4500-I-B APHA	5018 NIOSH	549 USEPA	6012 NIOSH
4500-I-C APHA	5019 NIOSH	549.1 USEPA	6013 NIOSH
4500-NH3(C) APHA	502.1 USEPA	550 USEPA	6014 NIOSH
4500-NH3(D) APHA	502.2(ELCD) USEPA	550.1 USEPA	6015 NIOSH
4500-NH3(E) APHA	502.2(PID) USEPA	5502 NIOSH	602 USEPA
4500-NH3(F) APHA	5020 NIOSH	5503 NIOSH	6020 USEPA
4500-NH3(G) APHA	5021 USEPA	5504 NIOSH	6020_M USEPA
4500-NH3(H) APHA	5021 NIOSH	5506 NIOSH	603 USEPA
4500-NO2(B) APHA	5022 NIOSH	5508 NIOSH	604(A) USEPA
4500-NO2(C) APHA	5025 NIOSH	5509 NIOSH	604(B) USEPA
4500-NO3(B) APHA	5026 NIOSH	551 USEPA	604.1 USEPA
4500-NO3(C) APHA	5027 NIOSH	5510 NIOSH	6040-B APHA
4500-NO3(D) APHA	5029 NIOSH	5510-B APHA	6040-C APHA
4500-NO3(E) APHA	503.1 USEPA	5510-C APHA	605 USEPA
4500-NO3(F) APHA	5030 NIOSH	5512 NIOSH	606 USEPA
4500-NO3(G) APHA	5031 USEPA	5514 NIOSH	607 USEPA
4500-NO3(H) APHA	5031 NIOSH	5515 NIOSH	608 USEPA
4500-NO3(I) APHA	5032 USEPA	5516 NIOSH	608.1 USEPA
4500-NOR(B) APHA	5032 NIOSH	5517 NIOSH	608.2 USEPA
4500-NOR(C) APHA	5033 NIOSH	5518 NIOSH	609(A) USEPA
4500-O3 APHA	5034 NIOSH	5519 NIOSH	609(B) USEPA
4500-O-B APHA	5035 NIOSH	552 USEPA	61 USEPA
4500-O-C APHA	5036 NIOSH	552.1 USEPA	610 USEPA
4500-O-D APHA	5037 NIOSH	5520-B APHA	611 USEPA
4500-O-E APHA	5038 NIOSH	5520-C APHA	612 USEPA
4500-O-F APHA	5039 NIOSH	5520-D APHA	613 USEPA
4500-O-G APHA	504 USEPA	5520-F APHA	614 USEPA
4500-P-C APHA	504.1 USEPA	5521 NIOSH	614.1 USEPA
4500-P-D APHA	5040A USEPA	553(LLE) USEPA	615 USEPA
4500-P-E APHA	5041 USEPA	553(LSE) USEPA	616 USEPA
4500-P-F APHA	5041A USEPA	5530-C APHA	617 USEPA
4500-S2(D) APHA	505 USEPA	5530-D APHA	618 USEPA
4500-S2(E) APHA	506 USEPA	554 USEPA	619 USEPA
4500-S2(F) APHA	507 USEPA	5540-C APHA	620 USEPA
4500-S2(G) APHA	508 USEPA	5540-D APHA	621 USEPA
4500-SI(B) APHA	508.1 USEPA	555 USEPA	6210-B APHA
4500-SI(C) APHA	508A USEPA	5550-B APHA	6210-C APHA
4500-SI(D) APHA	509 USEPA	5560-B APHA	6210-D APHA
4500-SI(E) APHA	50APP-A USEPA	5600 NIOSH	6211-B APHA
4500-SI(F) APHA	50APP-B USEPA	5700 NIOSH	6211-C APHA
4500-SI(G) APHA	50APP-C USEPA	5710-B APHA	622 USEPA
4500-SO3(B) APHA	50APP-D USEPA	5710-C APHA	622.1 USEPA
4500-SO3(C) APHA	50APP-E USEPA	5710-D APHA	6220-B APHA
4500-SO4(B) APHA	50APP-F USEPA	5910-B APHA	6220-C APHA
4500-SO4(C) APHA	50APP-G USEPA	5A USEPA	6220-D APHA
4500-SO4(D) APHA	50APP-J USEPA	5B USEPA	6220-E APHA
4500-SO4(E) APHA	5100 USEPA	5D USEPA	6230-B APHA
4500-SO4(F) APHA	5110 USEPA	5E USEPA	6230-C APHA
5 USEPA	513 USEPA	5F USEPA	6230-D APHA
5.6 APHA	515.1 USEPA	5G USEPA	6230-E APHA
500 NIOSH	515.2 USEPA	5H USEPA	6231-B APHA
5000 NIOSH	5210-B APHA	6 (ATM SO2) USEPA	6231-C APHA
5001 NIOSH	5210-C APHA	6 (FORMALDEHYD) USEPA	6231-D APHA
5002 NIOSH	5220-B APHA	6 (PO-210) USEPA	6232-B APHA
5003 NIOSH	5220-C APHA	600 NIOSH	6232-C APHA
5004 NIOSH	5220-D APHA	6001 NIOSH	6232-D APHA
5005 NIOSH	524.1 USEPA	6002 NIOSH	6233-B APHA
5006 NIOSH	524.2 USEPA	6004 NIOSH	624 USEPA
5007 NIOSH	525.1 USEPA	6005 NIOSH	624-S USEPA
5008 NIOSH	525.2 USEPA	6006 NIOSH	625 USEPA

6251-B   APHA	7074(INSL)   NIOSH	7610   USEPA	8034   HACH
6252-B   APHA	7074(SOL)   NIOSH	7740   USEPA	8037   HACH
625-S   USEPA	7080A   USEPA	7741A   USEPA	8038   HACH
626   USEPA	7081   USEPA	7742   USEPA	8040A(ECD)   USEPA
627   USEPA	7082   NIOSH	7760A   USEPA	8040A(FID)   USEPA
629   USEPA	7090   USEPA	7761   USEPA	8041   USEPA
630   USEPA	7091   USEPA	7770   USEPA	8043   HACH
630.1   USEPA	7102   NIOSH	7780   USEPA	8047   HACH
631   USEPA	7105   NIOSH	7840   USEPA	8048   HACH
632   USEPA	7110-B   APHA	7841   USEPA	8051   HACH
632.1   USEPA	7110-C   APHA	7870   USEPA	8060(ECD)   USEPA
633   USEPA	7130   USEPA	7900   NIOSH	8060(FID)   USEPA
633.1   USEPA	7131A   USEPA	7901   NIOSH	8061   USEPA
634   USEPA	7140   USEPA	7902   NIOSH	8061A   USEPA
635   USEPA	7190   USEPA	7903   NIOSH	8070   USEPA
636   USEPA	7191   USEPA	7904   NIOSH	8070A   USEPA
637   USEPA	7195   USEPA	7905   NIOSH	8071   HACH
638   USEPA	7196A   USEPA	7906   NIOSH	8074(A)   HACH
639   USEPA	7197   USEPA	7910   USEPA	8074(B)   HACH
640   USEPA	7198   USEPA	7911   USEPA	8080A   USEPA
6402   NIOSH	7199   USEPA	7950   USEPA	8081(S)   USEPA
641   USEPA	7200   USEPA	7951   USEPA	8081(W)   USEPA
6410-B   APHA	7201   USEPA	7A   USEPA	8081A(SNB)   USEPA
642   USEPA	7210   USEPA	7B   USEPA	8081A(SWB)   USEPA
6420-BA   APHA	7211   USEPA	7C   USEPA	8081A(WNB)   USEPA
6420-BB   APHA	7300   NIOSH	7D   USEPA	8081A(WWB)   USEPA
6420-C   APHA	7380   USEPA	7E   USEPA	8082(S)   USEPA
643   USEPA	7381   USEPA	8000   HACH	8082(W)   USEPA
6431-B   APHA	7400   NIOSH	8000(A1)   HACH	8090(ECD)   USEPA
6431-C   APHA	7401   NIOSH	8000(A2)   HACH	8090(FID)   USEPA
644   USEPA	7402   NIOSH	8000A   USEPA	8091   USEPA
6440-B   APHA	7420   USEPA	8000B   USEPA	8100   USEPA
6440-C   APHA	7421   USEPA	8001   NIOSH	8110   USEPA
645   USEPA	7430   USEPA	8001(1)   HACH	8111(S)   USEPA
646   USEPA	7450   USEPA	8001(2)   HACH	8111(W)   USEPA
6600   NIOSH	7460   USEPA	8001(3)   HACH	8116   HACH
6601   NIOSH	7461   USEPA	8001(A1)   HACH	8120A   USEPA
6602   NIOSH	7470A   USEPA	8001(A2)   HACH	8121   USEPA
6603   NIOSH	7471A   USEPA	8001(A3)   HACH	8131   USEPA
6610-B   APHA	7472   USEPA	8002   NIOSH	8131   HACH
6630-B   APHA	7480   USEPA	8003   NIOSH	8140   USEPA
6630-C   APHA	7481   USEPA	8004   NIOSH	8141(S)   USEPA
6630-D   APHA	7500   NIOSH	8005   HACH	8141(W)   USEPA
6640-B   APHA	7500-3H(B)   APHA	8005(B)   NIOSH	8141A(S)   USEPA
6651-B   APHA	7500-CS(B)   APHA	8005(T)   NIOSH	8141A(W)   USEPA
680   USEPA	7500-I-B   APHA	8008   HACH	8150B   USEPA
6A   USEPA	7500-I-C   APHA	8009   HACH	8151(S)   USEPA
6B   USEPA	7500-I-D   APHA	8010   HACH	8151(W)   USEPA
6C   USEPA	7500-RA(B)   APHA	8010B   USEPA	8156   HACH
7 (ATM NOX)   USEPA	7500-RA(C)   APHA	8011   USEPA	8157   HACH
7 (SR-89/90)   USEPA	7500-RA(D)   APHA	8013   HACH	8158   HACH
7000A(FLAA)   USEPA	7500-SR(B)   APHA	8015A   USEPA	8160   HACH
7000A(GFAA)   USEPA	7500-U-B   APHA	8015B   USEPA	8163   HACH
7013   NIOSH	7500-U-C   APHA	8020A   USEPA	8164   HACH
7020   NIOSH	7501   NIOSH	8021   HACH	8165   HACH
7020   USEPA	7502   NIOSH	8021A(ELCD)   USEPA	8167   HACH
7024   NIOSH	7504   NIOSH	8021A(PID)   USEPA	8168   HACH
7027   NIOSH	7505   NIOSH	8023   HACH	8172   HACH
7029   NIOSH	7506   NIOSH	8024   HACH	8186   HACH
7030   NIOSH	7520   USEPA	8025   HACH	8190   HACH
7040   USEPA	7521   USEPA	8027   HACH	8195   HACH
7041   USEPA	7550   USEPA	8029   HACH	8219   HACH
7048   NIOSH	7580   USEPA	8030A   USEPA	8221   HACH
7056   NIOSH	7600   NIOSH	8031   USEPA	8222   HACH
7060A   USEPA	7601   NIOSH	8032   USEPA	8224   HACH
7061A   USEPA	7602   NIOSH	8032A   USEPA	8225   HACH
7062   USEPA	7603   NIOSH	8033   USEPA	8226   HACH
7063   USEPA	7604   NIOSH	8033   HACH	8229   HACH

8230 HACH	901 USEPA	920.34 AOAC	968.24 AOAC
8240B(S) USEPA	901.1 USEPA	9200 USEPA	968.25 AOAC
8240B(W) USEPA	9010(A) USEPA	9200A USEPA	968.26 AOAC
8241 HACH	9010(A(B)) USEPA	9210 USEPA	969.48 AOAC
8250A USEPA	9012 USEPA	9211 USEPA	970.52 AOAC
8260A USEPA	9012A USEPA	9212 USEPA	970.53 AOAC
8260B USEPA	9013 USEPA	9213 USEPA	970.54 AOAC
8270B(S) USEPA	902 USEPA	9213-D APHA	9711-B APHA
8270B(W) USEPA	9020B USEPA	9214 USEPA	9711-C APHA
8270C(S) USEPA	9021 USEPA	9215 USEPA	972.05 AOAC
8270C(W) USEPA	9022 USEPA	9215-B APHA	972.23 AOAC
8271 HACH	9023 USEPA	9215-C APHA	972.24 AOAC
8275 USEPA	903 USEPA	9215-D APHA	972.29 AOAC
8275A USEPA	903.1 USEPA	9216-B APHA	972.43 AOAC
8276 HACH	9030A USEPA	9221-B APHA	973.39 AOAC
8277 HACH	9031 USEPA	9221-B.1 APHA	973.4 AOAC
8280(S) USEPA	9035 USEPA	9221-C APHA	973.41 AOAC
8280(W) USEPA	9036 USEPA	9221-D APHA	973.42 AOAC
8280A(O) USEPA	9038 USEPA	9221-E APHA	973.43 AOAC
8280A(S) USEPA	904 USEPA	9221-F APHA	973.44 AOAC
8280A(W) USEPA	9040A USEPA	9222-(B+B.5c) APHA	973.45 AOAC
8290 USEPA	9041A USEPA	9222-B APHA	973.46(E) AOAC
8300 NIOSH	9045B USEPA	9222-C APHA	973.46(F) AOAC
8301 NIOSH	905 USEPA	9222-D APHA	973.46(G) AOAC
8302 NIOSH	9050 USEPA	9222-E APHA	973.47 AOAC
8303 NIOSH	9050A USEPA	9222-F APHA	973.48 AOAC
8305 NIOSH	9056 USEPA	9223-B APHA	973.49(E) AOAC
8306 NIOSH	9057 USEPA	9230-B APHA	973.49(F) AOAC
8308 NIOSH	906 USEPA	9230-C APHA	973.5 AOAC
8310 NIOSH	9060 USEPA	9240-B APHA	973.51 AOAC
8310 USEPA	9060AM USEPA	925.54 AOAC	973.52 AOAC
8311 HACH	9065 USEPA	9250 USEPA	973.53 AOAC
8315 USEPA	9066 USEPA	9250-B APHA	973.54 AOAC
8315A(LLE) USEPA	9067 USEPA	9251 USEPA	973.55 AOAC
8315A(LSE) USEPA	907 USEPA	9252A USEPA	973.56 AOAC
8316 USEPA	9070 USEPA	9253 USEPA	973.57 AOAC
8318(S) USEPA	9071A USEPA	9310 USEPA	973.66 AOAC
8318(W) USEPA	9075 USEPA	9315 USEPA	973.67 AOAC
8321 USEPA	9076 USEPA	9320 USEPA	974.14 AOAC
8321A USEPA	9077(A) USEPA	939.11 AOAC	974.22 AOAC
8323 HACH	9077(B) USEPA	949.09 AOAC	974.27 AOAC
8325(CRT) USEPA	9077(C) USEPA	949.1 AOAC	974.36 AOAC
8325(DSK) USEPA	9078 USEPA	949.12 AOAC	974.37 AOAC
8325(LLE) USEPA	9079 USEPA	9510-G APHA	974.38 AOAC
8330(S) USEPA	908 USEPA	952.24 AOAC	975.4 AOAC
8330(W) USEPA	908.1 USEPA	952.25 AOAC	975.53 AOAC
8331(S) USEPA	9080 USEPA	955.48 AOAC	975.54 AOAC
8331(W) USEPA	9081 USEPA	956.07 AOAC	975.55 AOAC
8332 USEPA	911.03 AOAC	9562 ISO	975.56 AOAC
8334 HACH	9131 USEPA	957.14 AOAC	976.23 AOAC
8368 HACH	9132 USEPA	957.18 AOAC	976.29 AOAC
8375 HACH	920.13 AOAC	960.1 AOAC	976.3 AOAC
8410(A) USEPA	920.193(A) AOAC	960.14(A) AOAC	976.31 AOAC
8410(BN) USEPA	920.193(B) AOAC	960.14(B) AOAC	977.06 AOAC
8430 USEPA	920.193(C) AOAC	960.43 AOAC	977.15 AOAC
8440 USEPA	920.194 AOAC	960.52 AOAC	977.19 AOAC
8506 HACH	920.195 AOAC	961.16 AOAC	977.22 AOAC
8507 HACH	920.196 AOAC	963.23 AOAC	977.26 AOAC
8515 USEPA	920.197(A) AOAC	963.24 AOAC	978.16 AOAC
8520 USEPA	920.197(B) AOAC	963.29 AOAC	978.23 AOAC
88.01(S) NCASI	920.198 AOAC	964.18 AOAC	978.24 AOAC
88.01(W) NCASI	920.199 AOAC	964.19 AOAC	978.26 AOAC
9 (OPACITY) USEPA	920.2 AOAC	964.2 AOAC	980.22 AOAC
9 (TRITIUM) USEPA	920.201 AOAC	965.36 AOAC	980.31 AOAC
900 USEPA	920.202 AOAC	967.25 AOAC	980.32 AOAC
900.1 USEPA	920.203 AOAC	967.26 AOAC	980.37 AOAC
9000 NIOSH	920.204 AOAC	967.27 AOAC	983.21 AOAC
9002 NIOSH	920.205 AOAC	967.28 AOAC	983.25 AOAC

983.26   AOAC	B0040   USDOI/USGS	COLILERT   IDEXX	D2036(D)   ASTM
984.21   AOAC	B0045   USDOI/USGS	COLILERT/2000   IDEXX	D2186(A)   ASTM
984.34   AOAC	B0050   USDOI/USGS	COLILERT-18   IDEXX	D2186(B)   ASTM
984.35   AOAC	B0051   USDOI/USGS	COLILERT-182000   IDEXX	D2186(C)   ASTM
985.22   AOAC	B0055   USDOI/USGS	CP-85.01   NCASI	D2186(D)   ASTM
985.23   AOAC	B0060   USDOI/USGS	CP-86.01   NCASI	D2330   ASTM
985.42   AOAC	B0065   USDOI/USGS	CR-01   USEPA	D2332   ASTM
985.43   AOAC	B0100   USDOI/USGS	CTM-001   USEPA	D2334(A)   ASTM
986.22   AOAC	B0105   USDOI/USGS	CTM-002   USEPA	D2334(B)   ASTM
986.33   AOAC	B0400   USDOI/USGS	CTM-004   USEPA	D2334(C)   ASTM
986.34   AOAC	B0420   USDOI/USGS	CTM-005   USEPA	D2460   ASTM
986.35   AOAC	B0430   USDOI/USGS	CTM-006   USEPA	D2476   ASTM
987.09   AOAC	B1505   USDOI/USGS	CTM-010   USEPA	D2579   ASTM
987.1   AOAC	B1520   USDOI/USGS	CTM-011   USEPA	D2580   ASTM
987.11   AOAC	B2501   USDOI/USGS	D1067(A)   ASTM	D2688(A)   ASTM
988.19   AOAC	B2520   USDOI/USGS	D1067(B)   ASTM	D2688(B)   ASTM
988.2   AOAC	B3401   USDOI/USGS	D1067(C)   ASTM	D2776   ASTM
989.1   AOAC	B3501   USDOI/USGS	D1068(A)   ASTM	D2791   ASTM
989.11   AOAC	B3520   USDOI/USGS	D1068(B)   ASTM	D2820   ASTM
989.12   AOAC	B3545   USDOI/USGS	D1068(C)   ASTM	D2907(A)   ASTM
989.13   AOAC	B4520   USDOI/USGS	D1068(D)   ASTM	D2907(B)   ASTM
989.14   AOAC	B5001   USDOI/USGS	D1125(A)   ASTM	D2908   ASTM
989.15   AOAC	B5020   USDOI/USGS	D1125(B)   ASTM	D2914   ASTM
990.06   AOAC	B5040   USDOI/USGS	D1126   ASTM	D2972(A)   ASTM
990.07   AOAC	B5050   USDOI/USGS	D1179(A)   ASTM	D2972(B)   ASTM
990.08   AOAC	B6020   USDOI/USGS	D1179(B)   ASTM	D2972(C)   ASTM
990.11   AOAC	B6501   USDOI/USGS	D1246   ASTM	D3082   ASTM
990.12   AOAC	B6520   USDOI/USGS	D1252(A)   ASTM	D3084   ASTM
990.13   AOAC	B6530   USDOI/USGS	D1252(B)   ASTM	D3086   ASTM
991.06   AOAC	B6540   USDOI/USGS	D1253   ASTM	D3113(A)   ASTM
991.07   AOAC	B6560   USDOI/USGS	D1291   ASTM	D3113(B)   ASTM
991.08   AOAC	B6601   USDOI/USGS	D1292   ASTM	D3162   ASTM
991.09   AOAC	B6620   USDOI/USGS	D1293(A)   ASTM	D3223   ASTM
991.12   AOAC	B6630   USDOI/USGS	D1293(B)   ASTM	D3266   ASTM
991.13   AOAC	B6640   USDOI/USGS	D1385   ASTM	D3267   ASTM
991.14   AOAC	B6660   USDOI/USGS	D1426(A)   ASTM	D3268   ASTM
991.15   AOAC	B6700   USDOI/USGS	D1426(B)   ASTM	D3269(ISE)   ASTM
991.38   AOAC	B8001   USDOI/USGS	D1429(A)   ASTM	D3269(SPEC)   ASTM
992.11   AOAC	B8020   USDOI/USGS	D1429(B)   ASTM	D3269(TITR)   ASTM
992.14   AOAC	B8040   USDOI/USGS	D1429(C)   ASTM	D3270   ASTM
992.17   AOAC	B8100   USDOI/USGS	D1429(D)   ASTM	D3327   ASTM
992.18   AOAC	B8120   USDOI/USGS	D1498   ASTM	D3328(A)   ASTM
992.19   AOAC	B8502   USDOI/USGS	D1590   ASTM	D3328(B)   ASTM
992.3   AOAC	C-001-1   USEPA	D1607   ASTM	D3352   ASTM
992.31   AOAC	C-002-1   USEPA	D1608   ASTM	D3371   ASTM
992.32   AOAC	C-003-1   USEPA	D1687(A)   ASTM	D3372   ASTM
993.08   AOAC	C-004-1   USEPA	D1687(B)   ASTM	D3373   ASTM
993.09   AOAC	C-005-1   USEPA	D1687(C)   ASTM	D3414   ASTM
993.1   AOAC	C-006-1   USEPA	D1688(A)   ASTM	D3415   ASTM
993.11   AOAC	C-007-1   USEPA	D1688(B)   ASTM	D3416   ASTM
993.12   AOAC	C-008-1   USEPA	D1688(C)   ASTM	D3442   ASTM
993.14   AOAC	C-01   USEPA	D1691(A)   ASTM	D3454   ASTM
993.15   AOAC	C-010-1   USEPA	D1691(B)   ASTM	D3478   ASTM
993.23   AOAC	C-011-1   USEPA	D1704   ASTM	D3534(ECD)   ASTM
993.3   AOAC	C-012-1   USEPA	D1783(A)   ASTM	D3534(ELCD)   ASTM
AES-0029   FISON	C-013-1   USEPA	D1783(B)   ASTM	D3557(A)   ASTM
AM-01   USDOE/EML	C-014-1   USEPA	D1886(A)   ASTM	D3557(B)   ASTM
AM-01   USEPA	C-015-1   USEPA	D1886(B)   ASTM	D3557(C)   ASTM
AM-02   USDOE/EML	C-017-1   USEPA	D1886(C)   ASTM	D3557(D)   ASTM
AM-03(A)   USDOE/EML	C-018-1   USEPA	D1889   ASTM	D3558(A)   ASTM
AM-03(T)   USDOE/EML	C-019-1   USEPA	D1890   ASTM	D3558(B)   ASTM
AM-03(W)   USDOE/EML	CA-01   USDOE/EML	D1941   ASTM	D3558(C)   ASTM
ANION-01   USDOE/EML	CA-02   USDOE/EML	D1943   ASTM	D3559(A)   ASTM
B0001   USDOI/USGS	CA-215.1OR200.7   MT-DEQ	D1976   ASTM	D3559(B)   ASTM
B0005   USDOI/USGS	CA-215.1OR200.7   MONT-DEQ	D2035   ASTM	D3559(C)   ASTM
B0025   USDOI/USGS	CD-213.2OR200.7   MT-DEQ	D2036(A)   ASTM	D3559(D)   ASTM
B0030   USDOI/USGS	CD-213.2OR200.7   MONT-DEQ	D2036(B)   ASTM	D3561   ASTM
B0035   USDOI/USGS	COLILERT   MT-DEQ	D2036(C)   ASTM	D3590(A)   ASTM

D3590(B)   ASTM	D4413   ASTM	D5315   ASTM	HERL_008   USEPA
D3608   ASTM	D4454   ASTM	D5316   ASTM	HERL_009   USEPA
D3645(A)   ASTM	D4455   ASTM	D5317   ASTM	HERL_010   USEPA
D3645(B)   ASTM	D4458   ASTM	D5389   ASTM	HERL_011   USEPA
D3648(A)   ASTM	D4478(A)   ASTM	D5390   ASTM	HERL_012   USEPA
D3648(B)   ASTM	D4478(B)   ASTM	D5391   ASTM	HERL_013   USEPA
D3648(C)   ASTM	D4490   ASTM	D5392   ASTM	HERL_014   USEPA
D3649   ASTM	D4517   ASTM	D5412   ASTM	HERL_016   USEPA
D3650   ASTM	D4657   ASTM	D5413(A)   ASTM	HERL_017   USEPA
D3651   ASTM	D4658   ASTM	D5413(B)   ASTM	HERL_018   USEPA
D3686   ASTM	D4691   ASTM	D5413(C)   ASTM	HERL_020   USEPA
D3695   ASTM	D4744   ASTM	D5462   ASTM	HERL_021   USEPA
D3697   ASTM	D4763   ASTM	D5464(A)   ASTM	HERL_022   USEPA
D3824(A)   ASTM	D4765   ASTM	D5464(B)   ASTM	HERL_023   USEPA
D3824(B)   ASTM	D4766   ASTM	D5465(A)   ASTM	HERL_024   USEPA
D3857   ASTM	D4779   ASTM	D5465(B)   ASTM	HERL_025   USEPA
D3858   ASTM	D4785   ASTM	D5465(C)   ASTM	HERL_026   USEPA
D3859(A)   ASTM	D4839   ASTM	D5475   ASTM	HERL_030   USEPA
D3859(B)   ASTM	D4856   ASTM	D698   ASTM	HG-01   USDOE/EML
D3865   ASTM	D4861   ASTM	D854   ASTM	HG-245.1OR245.2   MT-DEQ
D3866(A)   ASTM	D4913   ASTM	D857   ASTM	HG-245.1OR245.2   MONT-DEQ
D3866(B)   ASTM	D4922   ASTM	D857(A)   ASTM	HISTORIC   MONT-DEQ
D3866(C)   ASTM	D4947   ASTM	D857(B)   ASTM	HYDROLAB   DEMOTEST
D3867(A)   ASTM	D4962   ASTM	D857(C)   ASTM	I-001-1   USEPA
D3867(B)   ASTM	D4978(A)   ASTM	D858(A)   ASTM	I-002-1   USEPA
D3868   ASTM	D4978(B)   ASTM	D858(B)   ASTM	I-003-1   USEPA
D3869(A)   ASTM	D4980(A)   ASTM	D858(C)   ASTM	I-004-1   USEPA
D3869(B)   ASTM	D4980(B)   ASTM	D859   ASTM	I-005-1   USEPA
D3869(C)   ASTM	D4983   ASTM	D888(A)   ASTM	I-006-1   USEPA
D3869(D)   ASTM	D4994(A)   ASTM	D888(B)   ASTM	I-01   USDOE/EML
D3871   ASTM	D4994(B)   ASTM	D932   ASTM	I-01   USEPA
D3875   ASTM	D5014   ASTM	D934(A)   ASTM	I-02   USEPA
D3919   ASTM	D5015   ASTM	D934(B)   ASTM	I-03   USEPA
D3920   ASTM	D5037   ASTM	DIOX(O)   USEPA	I1020   USDOI/USGS
D3921   ASTM	D5049(A)   ASTM	DIOX(S)   USEPA	I1030   USDOI/USGS
D3972   ASTM	D5049(B)   ASTM	DIOX(W)   USEPA	I1051   USDOI/USGS
D3973   ASTM	D5049(C)   ASTM	DO-001   DEMOTEST	I1052   USDOI/USGS
D3977   ASTM	D5049(D)   ASTM	DO-001   MONT-DEQ	I1054   USDOI/USGS
D3986   ASTM	D5072   ASTM	E318   ASTM	I1055   USDOI/USGS
D4012   ASTM	D5075   ASTM	ENTEROLERT   IDEXX	I1060   USDOI/USGS
D4107   ASTM	D5084   ASTM	ENTEROLERT2000   IDEXX	I1062   USDOI/USGS
D4128   ASTM	D5085   ASTM	E-SPEC(CMPX)   USDOI/USGS	I1084   USDOI/USGS
D4129   ASTM	D5086   ASTM	E-SPEC(IR)   USDOI/USGS	I1095   USDOI/USGS
D4130   ASTM	D5089   ASTM	E-SPEC(PRCP)   USDOI/USGS	I1110   USDOI/USGS
D4165   ASTM	D511(A)   ASTM	E-SPEC(UV)   USDOI/USGS	I1112   USDOI/USGS
D4183(A)   ASTM	D511(B)   ASTM	EV-024   USEPA	I1114   USDOI/USGS
D4183(B)   ASTM	D512(A)   ASTM	EV-025   USEPA	I1125   USDOI/USGS
D4185   ASTM	D512(B)   ASTM	F-01   USDOE/EML	I1135   USDOI/USGS
D4189   ASTM	D512(C)   ASTM	F488   ASTM	I1136   USDOI/USGS
D4190   ASTM	D5128   ASTM	F60   ASTM	I1137   USDOI/USGS
D4191   ASTM	D5129   ASTM	FE-01   USEPA	I1152   USDOI/USGS
D4192   ASTM	D513(A)   ASTM	FISH MEASURES   DEMOTEST	I1183   USDOI/USGS
D4193   ASTM	D513(B)   ASTM	FISH MEASURES   MONT-DEQ	I1184   USDOI/USGS
D4201   ASTM	D5130   ASTM	FLOW-ESTIMATED   MT-DEQ	I1187   USDOI/USGS
D422   ASTM	D514   ASTM	FLOW-METER   MT-DEQ	I1230   USDOI/USGS
D4240   ASTM	D5149   ASTM	FLOW-STAFF GAGE   MT-DEQ	I1232   USDOI/USGS
D4249   ASTM	D515(A)   ASTM	FLOW-VISUAL EST   MT-DEQ	I1235   USDOI/USGS
D4254   ASTM	D515(B)   ASTM	G-01   USDOE/EML	I1236   USDOI/USGS
D4281(A)   ASTM	D516   ASTM	H-01   USEPA	I1238   USDOI/USGS
D4281(B)   ASTM	D5173   ASTM	H-02   USEPA	I1239   USDOI/USGS
D4282   ASTM	D5174   ASTM	H-03   USEPA	I1240   USDOI/USGS
D4323   ASTM	D5175   ASTM	HERL_001   USEPA	I1241   USDOI/USGS
D4327   ASTM	D5176   ASTM	HERL_002   USEPA	I1250   USDOI/USGS
D4374   ASTM	D5243   ASTM	HERL_003   USEPA	I1270   USDOI/USGS
D4382   ASTM	D5244   ASTM	HERL_004   USEPA	I1271   USDOI/USGS
D4408   ASTM	D5246   ASTM	HERL_005   USEPA	I1272   USDOI/USGS
D4409   ASTM	D5257   ASTM	HERL_006   USEPA	I1300   USDOI/USGS
D4412   ASTM	D5259   ASTM	HERL_007   USEPA	I1325   USDOI/USGS

I1327 USDOI/USGS	I2598 USDOI/USGS	I5084 USDOI/USGS	IP-1A-C USEPA
I1370 USDOI/USGS	I2599 USDOI/USGS	I5095 USDOI/USGS	IP-1B USEPA
I1371 USDOI/USGS	I2600(S) USDOI/USGS	I5110 USDOI/USGS	IP-2A USEPA
I1381 USDOI/USGS	I2600(W) USDOI/USGS	I5135 USDOI/USGS	IP-2B USEPA
I1399 USDOI/USGS	I2601 USDOI/USGS	I5152 USDOI/USGS	IP-3A USEPA
I1400 USDOI/USGS	I2602 USDOI/USGS	I5236 USDOI/USGS	IP-3B USEPA
I1401 USDOI/USGS	I2667(S) USDOI/USGS	I5239 USDOI/USGS	IP-3C USEPA
I1425 USDOI/USGS	I2667(W) USDOI/USGS	I5270 USDOI/USGS	IP-5A USEPA
I1447 USDOI/USGS	I2700 USDOI/USGS	I5300 USDOI/USGS	IP-5B USEPA
I1454 USDOI/USGS	I2822 USDOI/USGS	I5381 USDOI/USGS	IP-5C USEPA
I1455 USDOI/USGS	I2823 USDOI/USGS	I5399 USDOI/USGS	IP-6A USEPA
I1456 USDOI/USGS	I2851(S) USDOI/USGS	I5425 USDOI/USGS	IP-6B USEPA
I1462 USDOI/USGS	I2851(W) USDOI/USGS	I5447 USDOI/USGS	IP-6C USEPA
I1472 USDOI/USGS	I2880 USDOI/USGS	I5454 USDOI/USGS	IP-7-A USEPA
I1490 USDOI/USGS	I3051 USDOI/USGS	I5462 USDOI/USGS	IP-7-B USEPA
I1499 USDOI/USGS	I3052 USDOI/USGS	I5473 USDOI/USGS	IP-8 USEPA
I1500 USDOI/USGS	I3054 USDOI/USGS	I5474 USDOI/USGS	ITM-001 USEPA
I1501 USDOI/USGS	I3055 USDOI/USGS	I5475 USDOI/USGS	K-258.1OR200.7 MT-DEQ
I1520 USDOI/USGS	I3060 USDOI/USGS	I5490 USDOI/USGS	K-258.1OR200.7 MONT-DEQ
I1524 USDOI/USGS	I3062 USDOI/USGS	I5499 USDOI/USGS	KR-01 USEPA
I1540 USDOI/USGS	I3084 USDOI/USGS	I5553 USDOI/USGS	LC_PEST USEPA
I1550 USDOI/USGS	I3095 USDOI/USGS	I6062 USDOI/USGS	LC_SV USEPA
I1586 USDOI/USGS	I3110 USDOI/USGS	I6302 USDOI/USGS	LC_VOA USEPA
I1600 USDOI/USGS	I3112 USDOI/USGS	I6522 USDOI/USGS	LECO MT-DEQ
I1601 USDOI/USGS	I3135 USDOI/USGS	I6523 USDOI/USGS	M-01 USDOE/EML
I1602 USDOI/USGS	I3136 USDOI/USGS	I6552 USDOI/USGS	M-02-CON USDOE/EML
I1630(S) USDOI/USGS	I3152 USDOI/USGS	I7051 USDOI/USGS	M-02-MTL(AAS) USDOE/EML
I1630(W) USDOI/USGS	I3153 USDOI/USGS	I7052 USDOI/USGS	M-02-MTL(AES) USDOE/EML
I1667(S) USDOI/USGS	I3236 USDOI/USGS	I7054 USDOI/USGS	M-02-PH USDOE/EML
I1667(W) USDOI/USGS	I3238 USDOI/USGS	I7055 USDOI/USGS	M-03 USDOE/EML
I1700 USDOI/USGS	I3239 USDOI/USGS	I7060 USDOI/USGS	MARK DEMOTEST
I1702 USDOI/USGS	I3240 USDOI/USGS	I7062 USDOI/USGS	MC_PEST(S) USEPA
I1720 USDOI/USGS	I3270 USDOI/USGS	I7084 USDOI/USGS	MC_PEST(W) USEPA
I1735(S) USDOI/USGS	I3271 USDOI/USGS	I7095 USDOI/USGS	MC_SVOA USEPA
I1735(W) USDOI/USGS	I3300 USDOI/USGS	I7110 USDOI/USGS	MC_SVOA(LS) USEPA
I1749 USDOI/USGS	I3325 USDOI/USGS	I7112 USDOI/USGS	MC_SVOA(MS) USEPA
I1750 USDOI/USGS	I3381 USDOI/USGS	I7135 USDOI/USGS	MC_SVOA(W) USEPA
I1780 USDOI/USGS	I3399 USDOI/USGS	I7136 USDOI/USGS	MC_VOA USEPA
I1800(S) USDOI/USGS	I3400 USDOI/USGS	I7152 USDOI/USGS	MC_VOA(LS) USEPA
I1800(W) USDOI/USGS	I3425 USDOI/USGS	I7236 USDOI/USGS	MC_VOA(MS) USEPA
I1820 USDOI/USGS	I3447 USDOI/USGS	I7238 USDOI/USGS	MC_VOA(W) USEPA
I1866 USDOI/USGS	I3448 USDOI/USGS	I7239 USDOI/USGS	MG-242.1OR200.7 MT-DEQ
I1880 USDOI/USGS	I3454 USDOI/USGS	I7240 USDOI/USGS	MG-242.1OR200.7 MONT-DEQ
I1900(S) USDOI/USGS	I3462 USDOI/USGS	I7270 USDOI/USGS	MICHAELS DEMOTEST
I1900(W) USDOI/USGS	I3490 USDOI/USGS	I7271 USDOI/USGS	MM100 USDOE/ASD
I1901 USDOI/USGS	I3499 USDOI/USGS	I7325 USDOI/USGS	MM210 USDOE/ASD
I2030 USDOI/USGS	I3500 USDOI/USGS	I7327 USDOI/USGS	MM800 USDOE/ASD
I2057 USDOI/USGS	I3524 USDOI/USGS	I7381 USDOI/USGS	MS100 USDOE/ASD
I2058 USDOI/USGS	I3561 USDOI/USGS	I7399 USDOI/USGS	MS110 USDOE/ASD
I2062 USDOI/USGS	I3562(S) USDOI/USGS	I7400 USDOI/USGS	MS210 USDOE/ASD
I2115 USDOI/USGS	I3562(W) USDOI/USGS	I7425 USDOI/USGS	MS310(S) USDOE/ASD
I2128 USDOI/USGS	I3631 USDOI/USGS	I7447 USDOI/USGS	MS310(W) USDOE/ASD
I2129 USDOI/USGS	I3736 USDOI/USGS	I7454 USDOI/USGS	MS410(W) USDOE/ASD
I2187 USDOI/USGS	I3750 USDOI/USGS	I7462 USDOI/USGS	MT-FM-DO MONT-DEQ
I2188 USDOI/USGS	I3765 USDOI/USGS	I7490 USDOI/USGS	MT-FMO-FLOW MONT-DEQ
I2302 USDOI/USGS	I3840 USDOI/USGS	I7499 USDOI/USGS	MT-FMO-FLOW-EST MONT-DEQ
I2327 USDOI/USGS	I3860 USDOI/USGS	I7500 USDOI/USGS	
I2462 USDOI/USGS	I4062 USDOI/USGS	I7552 USDOI/USGS	MT-FM-PH MONT-DEQ
I2521 USDOI/USGS	I4302 USDOI/USGS	ICAPSCAN MONT-DEQ	MT-FM-SAL MONT-DEQ
I2522 USDOI/USGS	I4327 USDOI/USGS	ICP-AES USEPA	MT-FM-SPC MONT-DEQ
I2523 USDOI/USGS	I4521 USDOI/USGS	IM-002-1 USEPA	MT-FM-TEMP MONT-DEQ
I2539 USDOI/USGS	I4522 USDOI/USGS	IM-003-1 USEPA	MT-PCLSCBMW MONT-DEQ
I2540 USDOI/USGS	I4523 USDOI/USGS	INTERIM1 USEPA	MU012R USDOE/ASD
I2543 USDOI/USGS	I4552 USDOI/USGS	INTERIM2 USEPA	NA-273.1OR200.7 MT-DEQ
I2545(S) USDOI/USGS	I5051 USDOI/USGS	IP-10A USEPA	NA-273.1OR200.7 MONT-DEQ
I2545(W) USDOI/USGS	I5055 USDOI/USGS	IP-10B USEPA	NH3-01 USDOE/EML
I2552 USDOI/USGS	I5060 USDOI/USGS	IP-1A USEPA	NITRO-1 USDOC/NOAA
I2558 USDOI/USGS	I5062 USDOI/USGS	IP-1A-B USEPA	NITRO-10 USDOC/NOAA

NITRO-11   USDOC/NOAA	OP100R   USDOE/ASD	PMD-ANF(IR)   USEPA	PMD-COR(GC)   USEPA
NITRO-12   USDOC/NOAA	OP130R   USDOE/ASD	PMD-ANT   USEPA	PMD-COR(IR)   USEPA
NITRO-13   USDOC/NOAA	OS010   USDOE/ASD	PMD-ANY   USEPA	PMD-COR(LC)   USEPA
NITRO-14   USDOC/NOAA	OS030   USDOE/ASD	PMD-AS(ATE)   USEPA	PMD-CPH   USEPA
NITRO-15   USDOC/NOAA	OS040(S)   USDOE/ASD	PMD-AS(TTE)   USEPA	PMD-CRO   USEPA
NITRO-16   USDOC/NOAA	OS040(W)   USDOE/ASD	PMD-AS(ITT1)   USEPA	PMD-CUC   USEPA
NITRO-17   USDOC/NOAA	OSW-A   USEPA	PMD-AS(ITT2)   USEPA	PMD-CU-S   USEPA
NITRO-18   USDOC/NOAA	OSW-B   USEPA	PMD-AS(ITT3)   USEPA	PMD-CYZ(GC1)   USEPA
NITRO-19   USDOC/NOAA	P-001-1   USEPA	PMD-AS(ITT4)   USEPA	PMD-CYZ(GC2)   USEPA
NITRO-2   USDOC/NOAA	P-002-1   USEPA	PMD-AS(ITT5)   USEPA	PMD-CYZ(GC3)   USEPA
NITRO-20   USDOC/NOAA	P-003-1   USEPA	PMD-ASU   USEPA	PMD-DAL   USEPA
NITRO-23   USDOC/NOAA	P-004-1   USEPA	PMD-ATR   USEPA	PMD-DCA(GC1)   USEPA
NITRO-24   USDOC/NOAA	P-005-1   USEPA	PMD-ATR(GC1)   USEPA	PMD-DCA(GC2)   USEPA
NITRO-25   USDOC/NOAA	P-006-1   USEPA	PMD-ATR(GC2)   USEPA	PMD-DEE(GC)   USEPA
NITRO-3   USDOC/NOAA	P-007-1   USEPA	PMD-ATR(IR)   USEPA	PMD-DEE(LC)   USEPA
NITRO-4   USDOC/NOAA	P-008-1   USEPA	PMD-ATR(LC)   USEPA	PMD-DFN   USEPA
NITRO-5   USDOC/NOAA	P-009-1   USEPA	PMD-AZN   USEPA	PMD-DGL   USEPA
NITRO-6   USDOC/NOAA	P-01   USEPA	PMD-BDX   USEPA	PMD-DGV   USEPA
NITRO-7   USDOC/NOAA	P-011-1   USEPA	PMD-BEB(IR)   USEPA	PMD-DIC   USEPA
NITRO-8   USDOC/NOAA	P-02   USEPA	PMD-BEB(LC)   USEPA	PMD-DJA   USEPA
NITRO-9   USDOC/NOAA	PAH-001(S)   USEPA	PMD-BEB(UV)   USEPA	PMD-DJG   USEPA
O-001-1   USEPA	PAH-001(W)   USEPA	PMD-BEE(GC)   USEPA	PMD-DME   USEPA
O-002-1   USEPA	PAH-002   USEPA	PMD-BEE(IR)   USEPA	PMD-DMF   USEPA
O-003-1   USEPA	PAH-005   USEPA	PMD-BEH(IR)   USEPA	PMD-DNE   USEPA
O-004-1   USEPA	PAH-006   USEPA	PMD-BEH(UV)   USEPA	PMD-DNR   USEPA
O-005-1   USEPA	PAH-008   USEPA	PMD-BEL(IR)   USEPA	PMD-DNZ(IR)   USEPA
O-006-1   USEPA	PAH-009   USEPA	PMD-BEL(LC)   USEPA	PMD-DNZ(TITR)   USEPA
O-008-1   USEPA	PAH-011   USEPA	PMD-BEN(LC)   USEPA	PMD-DOG   USEPA
O-009-1   USEPA	PAH-012   USEPA	PMD-BEN(UV)   USEPA	PMD-DOZ(LC1)   USEPA
O1105   USDOI/USGS	PART_1   USEPA	PMD-BEO   USEPA	PMD-DOZ(LC2)   USEPA
O3100   USDOI/USGS	PART_2   USEPA	PMD-BIL   USEPA	PMD-DOZ(UV)   USEPA
O3104   USDOI/USGS	PART_3   USEPA	PMD-BIN   USEPA	PMD-DPA(GC)   USEPA
O3105   USDOI/USGS	PB-01   USEPA	PMD-BOR   USEPA	PMD-DPA(IR)   USEPA
O3106   USDOI/USGS	PB-01(A)   USDOE/EML	PMD-BRA   USEPA	PMD-DPF   USEPA
O3107   USDOI/USGS	PB-01(B)   USDOE/EML	PMD-BRO   USEPA	PMD-DQT   USEPA
O3108   USDOI/USGS	PB-01(F)   USDOE/EML	PMD-BYA(GC1)   USEPA	PMD-DSN(GC)   USEPA
O3109   USDOI/USGS	PB-01(W)   USDOE/EML	PMD-BYA(GC2)   USEPA	PMD-DSN(IR)   USEPA
O3110   USDOI/USGS	PB-239.2OR200.7   MT-DEQ	PMD-BYA(LC1)   USEPA	PMD-DUR(IR)   USEPA
O3111   USDOI/USGS	PB-239.2OR200.7   MONT-DEQ	PMD-BYA(LC2)   USEPA	PMD-DUR(LC)   USEPA
O3112   USDOI/USGS	PCB-002   USEPA	PMD-CAO   USEPA	PMD-EDF   USEPA
O3113   USDOI/USGS	PCB-003   USEPA	PMD-CAP(GC1)   USEPA	PMD-ENA   USEPA
O3114   USDOI/USGS	PCB-004   USEPA	PMD-CAP(GC2)   USEPA	PMD-ENB(GC)   USEPA
O3115   USDOI/USGS	PCB-005   USEPA	PMD-CAP(IR)   USEPA	PMD-ENB(TITR)   USEPA
O3117   USDOI/USGS	PCB-006   USEPA	PMD-CAP(LC)   USEPA	PMD-EPI   USEPA
O3118   USDOI/USGS	PCB-008   USEPA	PMD-CAV(LC)   USEPA	PMD-EPT   USEPA
O5101   USDOI/USGS	PCB-009   USEPA	PMD-CAV(UV)   USEPA	PMD-ETF   USEPA
O5104   USDOI/USGS	PEBBLE   MT-DEQ	PMD-CBF   USEPA	PMD-ETI(GC)   USEPA
O5105   USDOI/USGS	PEBBLE   MONT-DEQ	PMD-CBX(IR)   USEPA	PMD-ETI(IR)   USEPA
O5108   USDOI/USGS	PERCENT_FINES   MT-DEQ	PMD-CBX(UV)   USEPA	PMD-ETN(GC)   USEPA
O7100   USDOI/USGS	PESTICIDIES   DEMOTEST	PMD-CD   USEPA	PMD-ETN(IR)   USEPA
O7104   USDOI/USGS	PESTICIDIES   MONT-DEQ	PMD-CGV   USEPA	PMD-EUX(GC)   USEPA
O7105   USDOI/USGS	PHOS-1   USDOC/NOAA	PMD-CHP   USEPA	PMD-EUX(TITR)   USEPA
O9104   USDOI/USGS	PHOS-2   USDOC/NOAA	PMD-CIB   USEPA	PMD-EZN   USEPA
OA-001-1   USEPA	PHOS-3   USDOC/NOAA	PMD-CJL   USEPA	PMD-FBP   USEPA
OA-002-1   USEPA	PHOS-4   USDOC/NOAA	PMD-CJO(LC)   USEPA	PMD-FBR   USEPA
OA-003-1   USEPA	PHOS-5   USDOC/NOAA	PMD-CJO(UV1)   USEPA	PMD-FCL(GC)   USEPA
OA-004-1   USEPA	PM-01   USEPA	PMD-CJO(UV2)   USEPA	PMD-FCL(IR)   USEPA
OA-005-1   USEPA	PM-02   USEPA	PMD-CKA   USEPA	PMD-FKN   USEPA
OA-006-1   USEPA	PMD-ACA   USEPA	PMD-CKL(GC)   USEPA	PMD-FLM   USEPA
OG015R   USDOE/ASD	PMD-ACG(GC)   USEPA	PMD-CKL(IR)   USEPA	PMD-FLM(IR)   USEPA
OG100R   USDOE/ASD	PMD-ACG(LC1)   USEPA	PMD-CKR(GC)   USEPA	PMD-FLM(UV)   USEPA
OH100R   USDOE/ASD	PMD-ACG(LC2)   USEPA	PMD-CKR(IR)   USEPA	PMD-FOL   USEPA
OHC   USEPA	PMD-AKY(GC1)   USEPA	PMD-CLD(GC)   USEPA	PMD-FON   USEPA
OM500R   USDOE/ASD	PMD-AKY(GC2)   USEPA	PMD-CLD(IR)   USEPA	PMD-GLP   USEPA
OM510R   USDOE/ASD	PMD-AMN   USEPA	PMD-CLD(UV)   USEPA	PMD-HXE   USEPA
OP010R   USDOE/ASD	PMD-AM-S   USEPA	PMD-CLV   USEPA	PMD-HXO(GC)   USEPA
OP020R   USDOE/ASD	PMD-AMT   USEPA	PMD-CMN   USEPA	PMD-HXO(LC)   USEPA
OP040R   USDOE/ASD	PMD-ANF(GC)   USEPA	PMD-COQ   USEPA	PMD-INB   USEPA

PMD-KAR(IR) USEPA	PMD-PIX USEPA	PMD-VAE USEPA	RP330 USDOE/ASD
PMD-KAR(LC) USEPA	PMD-PJB USEPA	PMD-VER(IR) USEPA	RP450 USDOE/ASD
PMD-LIN USEPA	PMD-PJE(GC) USEPA	PMD-VER(LC) USEPA	RP501(1) USDOE/ASD
PMD-LIU(IR) USEPA	PMD-PJM USEPA	PMD-WAR USEPA	RP510 USDOE/ASD
PMD-LIU(LC) USEPA	PMD-PNM(GC) USEPA	PMD-WAR(LC) USEPA	RP520 USDOE/ASD
PMD-LIU(UV) USEPA	PMD-PNM(LC) USEPA	PMD-WAR(UV) USEPA	RP530 USDOE/ASD
PMD-LMG USEPA	PMD-POD USEPA	PMD-WTY USEPA	RP550 USDOE/ASD
PMD-LTF(LC1) USEPA	PMD-POJ USEPA	PMD-ZIR USEPA	RP570 USDOE/ASD
PMD-LTF(LC2) USEPA	PMD-POT(GC) USEPA	PMD-ZN-T(GC) USEPA	RP580 USDOE/ASD
PMD-MAL(IR) USEPA	PMD-POT(IR) USEPA	PMD-ZN-T(TITR) USEPA	RP710 USDOE/ASD
PMD-MAL(LC) USEPA	PMD-PPD USEPA	PO_01 USDOE/EML	RP720 USDOE/ASD
PMD-MAU(GC1) USEPA	PMD-PYA(IR) USEPA	PO_02(S) USDOE/EML	RP725 USDOE/ASD
PMD-MAU(GC2) USEPA	PMD-PYA(UV) USEPA	PO_02(W) USDOE/EML	RP730 USDOE/ASD
PMD-MBL USEPA	PMD-PYR(GC1) USEPA	PU_01 USDOE/EML	RP735 USDOE/ASD
PMD-MBT(TITR) USEPA	PMD-PYR(GC2) USEPA	PU_02 USDOE/EML	RS100 USDOE/ASD
PMD-MBT(UV) USEPA	PMD-PYR(LC1) USEPA	PU_03 USDOE/EML	RS551 USDOE/ASD
PMD-MDZ USEPA	PMD-PYR(LC2) USEPA	PU_04 USDOE/EML	S-001-1 USEPA
PMD-MEA(GC) USEPA	PMD-PYR(TD) USEPA	PU_05 USDOE/EML	S-002-1 USEPA
PMD-MEA(IR) USEPA	PMD-PYR(TITR) USEPA	PU_06 USDOE/EML	S-003-1 USEPA
PMD-MEL USEPA	PMD-QAC(COLR) USEPA	PU_07 USDOE/EML	S-004-1 USEPA
PMD-MEM USEPA	PMD-QAC(TD) USEPA	PU_08 USDOE/EML	SA010 USDOE/ASD
PMD-MER USEPA	PMD-QAC(TIT1) USEPA	PU_09 USDOE/EML	SA011 USDOE/ASD
PMD-MET USEPA	PMD-QAC(TIT2) USEPA	PU_10 USDOE/EML	SE-01 USDOE/EML
PMD-MEY(GC) USEPA	PMD-QAC(TIT3) USEPA	PU-01 USEPA	SE-270.2OR270.3 MT-DEQ
PMD-MEY(IR) USEPA	PMD-RES(GC1) USEPA	PU-02 USEPA	SE-270.2OR270.3 MONT-DEQ
PMD-MEY(LC) USEPA	PMD-RES(GC2) USEPA	R-001-1 USEPA	SEDIMENT DEMOTEST
PMD-MFX USEPA	PMD-RES(IR) USEPA	R-002-1 USEPA	SEDIMENT MONT-DEQ
PMD-MGC USEPA	PMD-RES(LC) USEPA	R-004-1 USEPA	SEDOX DEMOTEST
PMD-MGU(GC) USEPA	PMD-ROT USEPA	R-005-1 USEPA	SFSAS_1 USEPA
PMD-MGU(IR) USEPA	PMD-SAE USEPA	R-006-1 USEPA	SFSAS_10 USEPA
PMD-MHX USEPA	PMD-SEU USEPA	R-007-1 USEPA	SFSAS_11 USEPA
PMD-MHY(LC) USEPA	PMD-SIM USEPA	R-008-1 USEPA	SFSAS_12 USEPA
PMD-MHY(UV) USEPA	PMD-SN USEPA	R1110 USDOI/USGS	SFSAS_13 USEPA
PMD-MOK(GC) USEPA	PMD-STM(UV) USEPA	R1130 USDOI/USGS	SFSAS_14 USEPA
PMD-MOK(IR) USEPA	PMD-STM(VIS) USEPA	R1140 USDOI/USGS	SFSAS_15 USEPA
PMD-MON(IR) USEPA	PMD-STY(GRAV) USEPA	R1141 USDOI/USGS	SFSAS_16 USEPA
PMD-MON(TITR) USEPA	PMD-STY(LC) USEPA	R1142 USDOI/USGS	SFSAS_17 USEPA
PMD-MON(UV) USEPA	PMD-STY(UV) USEPA	R1150 USDOI/USGS	SFSAS_18 USEPA
PMD-NA-D USEPA	PMD-S-UF(GRV1) USEPA	R1160 USDOI/USGS	SFSAS_19 USEPA
PMD-NA-H USEPA	PMD-S-UF(GRV2) USEPA	R1171 USDOI/USGS	SFSAS_2 USEPA
PMD-NAP USEPA	PMD-S-UF(GRV3) USEPA	R1172 USDOI/USGS	SFSAS_20 USEPA
PMD-NBL USEPA	PMD-S-UO USEPA	R1173 USDOI/USGS	SFSAS_21 USEPA
PMD-NCS USEPA	PMD-TBU USEPA	R1174 USDOI/USGS	SFSAS_22 USEPA
PMD-NEB(IR) USEPA	PMD-TDU USEPA	R1180 USDOI/USGS	SFSAS_23 USEPA
PMD-NEB(UV) USEPA	PMD-TDZ USEPA	R1181 USDOI/USGS	SFSAS_24 USEPA
PMD-NIC USEPA	PMD-TEI USEPA	R1182 USDOI/USGS	SFSAS_25 USEPA
PMD-NOB USEPA	PMD-TFB USEPA	RA-01 USDOE/EML	SFSAS_26 USEPA
PMD-NTP(TIT1) USEPA	PMD-TFK USEPA	RA-01 USEPA	SFSAS_27 USEPA
PMD-NTP(TIT2) USEPA	PMD-TFM USEPA	RA010 USDOE/ASD	SFSAS_28 USEPA
PMD-ORY USEPA	PMD-TFU USEPA	RA-02 USDOE/EML	SFSAS_29 USEPA
PMD-OVO USEPA	PMD-TFZ USEPA	RA-02 USEPA	SFSAS_3 USEPA
PMD-OXB USEPA	PMD-THN USEPA	RA020 USDOE/ASD	SFSAS_4 USEPA
PMD-PAD(GC) USEPA	PMD-THO USEPA	RA-03 USDOE/EML	SFSAS_5 USEPA
PMD-PAD(IR) USEPA	PMD-THR(IR) USEPA	RA-03 USEPA	SFSAS_6 USEPA
PMD-PAP USEPA	PMD-THR(LC) USEPA	RA-04 USDOE/EML	SFSAS_7 USEPA
PMD-PAR(GC) USEPA	PMD-THR(UV) USEPA	RA-04 USEPA	SFSAS_8 USEPA
PMD-PAR(LC) USEPA	PMD-TLC(OTP) USEPA	RA-05 USDOE/EML	SFSAS_9 USEPA
PMD-PBS USEPA	PMD-TLC(TLC1) USEPA	RA-05 USEPA	SR-01 USEPA
PMD-PCP(GC) USEPA	PMD-TLC(TLC2) USEPA	RA-06 USDOE/EML	SR-01(A) USDOE/EML
PMD-PCP(LC) USEPA	PMD-TLL USEPA	RA-07 USDOE/EML	SR-01(SCN) USDOE/EML
PMD-PFH(GC) USEPA	PMD-TPR USEPA	RBP-FIELD DEMOTEST	SR-02 USDOE/EML
PMD-PFH(TD) USEPA	PMD-TQA USEPA	RBP-FIELD MONT-DEQ	SR-02 USEPA
PMD-PFI USEPA	PMD-TQO USEPA	RI010 USDOI/ASD	SR-03 USEPA
PMD-PGM USEPA	PMD-TRC(GC1) USEPA	RI100 USDOI/ASD	SR-04 USEPA
PMD-P-HS USEPA	PMD-TRC(GC2) USEPA	RN-01 USDOE/EML	STATION OBS DEMOTEST
PMD-PIE(LC) USEPA	PMD-TRC(IR) USEPA	RP230 USDOE/ASD	STATION OBS MONT-DEQ
PMD-PIE(UV) USEPA	PMD-TRC(LC) USEPA	RP280 USDOE/ASD	TB_253 NCASI
PMD-PIO USEPA	PMD-TSU USEPA	RP300 USDOE/ASD	TC-01 USDOE/EML

TDS-METER   MT-DEQ	TO-7   USEPA	VA-007-1   USEPA	VW-002-1   USEPA
TDS-METER   MONT-DEQ	TO-8   USEPA	VA-008-1   USEPA	VW-003-1   USEPA
TDS-SUM   MONT-DEQ	TO-9   USEPA	VG-001-1   USEPA	VW-004-1   USEPA
TEMP-001   DEMOTEST	TPN-4500-N_C   MT-DEQ	VG-002-1   USEPA	VW-005-1   USEPA
TEMP-001   MONT-DEQ	U-01   USEPA	VG-003-1   USEPA	VW-006-1   USEPA
TH-01   USDOE/EML	U-01(ASP)   USDOE/EML	VG-004-1   USEPA	VW-007-1   USEPA
TH-01   USEPA	U-01(F)   USDOE/EML	VG-005-1   USEPA	VW-008-1   USEPA
TN-CALC   MT-DEQ	U-02   USDOE/EML	VG-006-1   USEPA	VW-010-1(S)   USEPA
TO-1   USEPA	U-03   USDOE/EML	VG-007-1   USEPA	VW-010-1(W)   USEPA
TO-10   USEPA	U-04   USDOE/EML	VG-008-1   USEPA	VW-011-1   USEPA
TO-11   USEPA	UNKNOWN   MT-DEQ	VG-009-1   USEPA	VW-012-1   USEPA
TO-12   USEPA	UNKNOWN   MONT-DEQ	VG-010-1(ECD)   USEPA	VW-013-1   USEPA
TO-13   USEPA	USGS I 1030   MT-DEQ	VG-010-1(PID)   USEPA	VW-014-1   USEPA
TO-14   USEPA	V-286.2OR200.7   MT-DEQ	VG-011-1   USEPA	WEATHER-001   DEMOTEST
TO-14B   USEPA	V-286.2OR200.7   MONT-DEQ	VS-001-1   USEPA	WEATHER-001   MONT-DEQ
TO15   USEPA	VA-001-1   USEPA	VS-002-1   USEPA	X_89_176(N)   USEPA
TO-2   USEPA	VA-002-1   USEPA	VS-003-1   USEPA	X_89_176(P)   USEPA
TO-3   USEPA	VA-003-1   USEPA	VS-004-1   USEPA	XENO   USEPA
TO-4   USEPA	VA-004-1   USEPA	VS-005-1   USEPA	
TO-5   USEPA	VA-005-1   USEPA	VS-006-1   USEPA	
TO-6   USEPA	VA-006-1   USEPA	VW-001-1   USEPA	

## Appendix B. Valid Values for Lab Sample Preparation Procedures and Sources

\*\*\*\*\*In the format Procedure ID | Source\*\*\*\*\*

1310-A   USEPA	3510-B   USEPA	D3326-B   ASTM
1311   USEPA	3510-C   USEPA	D3326-C   ASTM
1311-HG   USEPA	3520-B   USEPA	D3326-D   ASTM
1311-MT   USEPA	3520-C   USEPA	D3326-E   ASTM
1311-V   USEPA	3540-B   USEPA	D3326-F   ASTM
1625P   USEPA	3540-C   USEPA	D3326-G   ASTM
200.2   USEPA	3550-A   USEPA	D3974   ASTM
200.2-M   USEPA	3550-B   USEPA	D3975   ASTM
200.7-T   USEPA	3580-A   USEPA	D3976   ASTM
200.8-CR   USEPA	3585   USEPA	D3987   ASTM
200.8-T   USEPA	4500-CN(B)   APHA	D4638   ASTM
2310-B   APHA	4500-CN-B   APHA	D4874-89   ASTM
3005-A   USEPA	4500-F-B   APHA	E1195-87   ASTM
3010-A   USEPA	4500-NH3(B)   APHA	G-03   USDOE/EML
3015   USEPA	4500-NH3-B   APHA	MT_PREP1   USEPA
3015-M   USEPA	4500-S2(B)   APHA	MT_PREP2   USEPA
3020-A   USEPA	4500-S2(C)   APHA	MT_PREP3   USEPA
3030-B   APHA	4500-S2-C   APHA	OC010R   USDOE/ASD
3030-C   APHA	50.6   USEPA	P-010-1   USEPA
3030-D   APHA	5030-A   USEPA	PAH-010   USEPA
3030-E   APHA	548.1-P   USEPA	PCB-007   USEPA
3030-F   APHA	549.1-P   USEPA	R-003-1   USEPA
3030-G   APHA	5520-E   APHA	SFSAS_FT_PREP   USEPA
3030-H   APHA	8150-P   USEPA	SFSAS_S_PREP   USEPA
3030-I   APHA	9213-D-3   APHA	TBT-P   USDOC/NOAA
3030-J   APHA	9215-A-5   APHA	TPN-4500-N-C   MONT-DEQ
3040   USEPA	9215-C-3   APHA	TPN-4500-N-C   MT-DEQ
3040-A   USEPA	9215-D-3   APHA	
3050-A   USEPA	9230-C-2   APHA	
3050-B   USEPA	D3269-ISO   ASTM	
3051   USEPA	D3326-A   ASTM	

## Appendix C. Valid Values for non-Biological Result Characteristics

(3-bromopropyl)-benzene	2,2,4-Trimethylpentane	2-Pyrrolidinecarboxylic acid
(Dichloromethyl)benzene	2,2-Dichloro-1,1,1-trifluoroethane	2-Thiophenecarboxylic acid
(E,E)-farnesol	2,3,4-Trichloro-1,1'-biphenyl	2-Thiophenemethylamine
1-(2-Butoxyethoxy)ethanol	2,3,5-Trimethylnaphthalene	2-Undecanone
1,1,1-Tris(chloromethyl) ethane	2,3,6-Trichlorophlorophenol	2-Vinyl toluene
1,1-Dichloroethylene	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	3-(4-hydroxyphenyl)-2-propenoic acid
1,1-Difluoroethane	2,3-Dibromopropionic acid	3,4-Dimethylbenzoic acid
1,1'-oxybis[3-chloropropane]	2,3-Dimethyl-3-hexanol	3-Amino-1,2,4-triazole
1,2,3,4- Tetramethylbenzene	2,4,5-T + Silvex	3-beta-Coprostanol
1,2,3,4,6,7,8-Heptachlorodibenzodioxin	2,4,5-T, isopropyl ester	3-Chlorophenol
(1,2,3,4,6,7,8-HCDD)	2,4,5-T, Trichlorophenoxyacetic acid	3-Fluoro-4-nitrophenol
1,2,4,5-Tetramethylbenzene	2,4,5-T, Trichlorophenoxypropionic acid	3-Methyl-1,1'-biphenyl
1,2,4-Trichlorobenzene	2,4,5-Trichlorbiphenyl ***retired*** change to ISN 16041	3-Methyl-2-cyclopentene-2-ol-one
1,2-Benzothiazolin-3-one	2,4,6-Trichlorophenol (TCPh)	3-Methyl-2-pantanone
1,2-Cyclohexanediol-trans	2,4,6-Trimethylbenzoic acid	3-Methylindole
1,2-Dibromo-3-chloropropane (DBCP)	2,4,6-Tri-t-butylphenol	3-Phenyldecano
1,2-Dichlorobenzene	2,4-D 2-ethylhexyl ester	3-Phenyldodecane
1,2-Dimethylhydrazine	2,4-D isopropyl ester	3-Phenyltetradecane
1,2-Epoxybutane	2,4-D sec-butyl ester	3-Phenyltridecane
1,3-Dibromo-5,5-dimethylhydantoin	2,4-D, Dichlorophenoxyacetic acid	3-Phenylundecane
1,3-Dichlorobenzene	2,4-DB, Dichlorophenoxybutyric acid	4-(2,4,5-Trichlorophenoxy) butyric acid
1,3-Dioxane, 4,4-dimethyl-	2,4-Dibromophenol	4,5-Dimethyl-1,2-dithiol-3-one
1,4-Cyclohexanedione	2,4-Dichlorophenol	4,6-Dichloro-2-methylphenol
1,4-Dichlorobenzene	2,4-Dimethylphenol	4-Aminohippuric acid
1-Amino-3-nitrobenzene	2,4-Dinitrotoluene	4-Bromofluorobenzene
1-Bromo-2-Chloroethane	2,5-Dichloro-3-hydroxy-6-methoxybenzoic acid	4-Chloro-3,5-dimethylphenol
1-Bromobutane	2',5'-Dichloroacetophenone	4-Chloro-3-methylphenol
1-Butoxy-2-propanol	2,5-Dichlorophenol	4-Cumylphenol
1-Chloro-2-nitrobenzene	2,5-Dimethylthiophene	4-Fluoro-2-nitrophenol
1-Chloro-9,10-anthracenedione	2,6-dibromo-phenol	4H-1,2,4-Triazol-3-amine, 4-ethyl-
1-Dodecanol	2,6-Dinitrotoluene	4-Hydroxy-3,5-dimethoxybenzaldehyde
1-Ethoxy-2-fluoro-benzene	2-Acetylaminofluorene	4-Hydroxy-4-methyl-2-pantanone
1-Ethyl-2,3-dimethyl-benzene	2-Aminobutane	4-Methyl-2-pentene
1-Ethyl-2,4-dimethyl-benzene	2-Butenal, 2-methyl-, (E)-	4-Methyl-3-nitrobenzenamine
1-Ethyl-3,5-dimethyl-benzene	2-Chlorocyclohexanol	4-Nonylphenol
1H-Benzotriazole, 5-methyl-	2-Chloroethyl vinyl ether	4-Penten-2-ol
1H-Inden-1-one, 2,3-dihydro-3,3-dimethyl	2-Cyclohexen-1-ol	4-Phenyldecane
1H-Inden-1-one, 2,3-dihydro-3-methyl-	2-Cyclohexenone	4-Phenyldodecane
1H-Indene, 2,3-dihydro-1,1,3,3,5-pentamethyl-4,6-dinitro-	2-Decanone	4-Phenyltetradecane
1H-Indene, 2,3-dihydro-1,1,4,6-tetramethyl-	2-Ethyl-1, 3-dimethyl-benzene	4-Phenylundecane
1H-Indene, 2,3-dihydro-1,1,4,7-tetramethyl-	2-Ethyl-1, 4-dimethyl-benzene	5,6-Dibutyl-5,6-bis(4-tert-butylphenyl)decane
1H-Indene, 2,3-dihydro-1,1-dimethyl-	2-Ethyl-1,3-hexanediol	5-Hydroxytetracycline hydrochloride
1H-Indene, 2,3-dihydro-1,3-dimethyl-	2-Ethyl-1-hexanol	5-Nitro-ortho-toluidine
1H-Indene, 2,3-dihydro-1,6-dimethyl-	2-Ethyl-4-methyl-1,3-dioxolane	5-Nitrovanillin
1H-Indene, 2,3-dihydro-4,6-dimethyl-	2-Fluoro-4-nitrophenol	5-Phenyldecane
1H-Indene, 2,3-dihydro-4,7-dimethyl-	2-Fluoro-6-nitrophenol	5-Phenyldodecane
1H-Indene, 2,3-dihydro-4-methyl-	2-Fluorophenol	5-Phenyltetradecane
1H-Indene, 2,3-dihydro-5-methyl-	2-Hydroxy-4-methoxybenzophenone	5-Phenyltridecane
1-Methyl-3-nitrobenzene	2-Methoxyethanol	5-Phenylundecane
1-Methyl-9H-fluorene	2-Methyl-1,3-dioxolane	6-Methyl-(e)-3-undecene
1-Methoxy-2-butanol	2-Methyl-1,4-napthoquinone	6-Phenyldecane
1-Octadecene	2-Methyl-1-phenyl-1-butene	6-Phenyltetradecane
1-Phenyl-2-methyl-1-propene	2-Methyl-2-ethyl-1,3-dioxolane	6-Phenyltridecane
1-Phenyldecane	2-Methyl-3-pentanol	6-Phenylundecane
1-Phenyldodecane	2-Methyl-3-pentanone	6-Propylpiperonyl Butyl Diethylene Glycol Ether (Alleviate)
1-Phenylnonane	2-Methyl-4-octanone	7-Phenyldecane
1-Phenylpentadecane	2-Methylcyclohexanone	7-Phenyltetradecane + 6-Phenyltridecane mix
1-Phenyltetradecane	2-Phenyldecane	9-Octadecene
1-Propene, 1-chloro-, (Z)-	2-Phenyldodecane	9-Octadecenoic acid
1-Tetradecene	2-Phenyltetradecane	Abietylamine
2-(2-Butoxyethoxy)ethyl acetate	2-Phenyltridecane	Acanthamoeba
2-(methylthio)benzothiazole	2-Phenylundecane	Acanthamoeba astronyxis
2,2,4,4-Tetramethyl-3-pentanone	2-Piperidinecarboxylic acid	

Acanthamoeba castellanii	Algae, Red (Phylum Rhodophyta) density	Antimony
Acanthamoeba comandoni	Algae, substrate rock/bank cover (choice list)	Antimony potassium tartrate, trihydrate
Acanthamoeba culbertsoni	Algae, Yellow-green (Phylum Xanthophyta) density	Antimony-125
Acanthamoeba griffini	Algal growth potential	Antimycin A
Acanthamoeba hatchetti	Aliphatics fraction	Apramycin
Acanthamoeba hyalina	Alkaline phosphatase	Aquatic life use class (choice list)
Acanthamoeba lenticulata	Alkalinity, Bicarbonate as CaCO3	Argon
Acanthamoeba palestiensis	Alkalinity, Carbonate as CaCO3	Aromatics fraction
Acanthamoeba polyphaga	Alkalinity, Hydroxide as CaCO3	Arsenic
Acanthamoeba rhyosodes	Alkalinity, Phenolphthalein (total hydroxide+1/2 carbonate)	Arsenic oxide
Acanthamoeba royreba	Alkalinity, Total (total hydroxide+carbonate+bicarbonate)	Arsenic pentafluoride
Acanthamoeba terricola	Alkanes, (unspecified mix)	Arsenic, Inorganic
Acanthamoeba tubiashi	Alkanes, mix C10-C34	Arsenic, ion (As3+)
Acenaphthene	Alkylbenzenesulfonic acid, sodium salt	Arsenic, ion (As5+)
Acenaphthylene	Allethrin	Asbestos
Acetaldehyde	Allyl alcohol	Atmospheric deposition, dry fall
Acetaldol	Allyl chloride	Atmospheric deposition, wet fall
Acetamide	Allyl isothiocyanate	Atraton
Acetaminophen	Alpha-(chloromethyl)benzyl alcohol	Atrazine
Acetic acid	Alpha-terpineol	Azinphos-ethyl
Acetochlor	Altitude	Azinphos-methyl
Acetone	Aluminum	Azithromycin
Acetophenone	Aluminum sulfate	Azobenzene
Acetyl hexamethyl tetrahydronaphthalene (ATHN)	Aluminum, Inorganic Monomeric (reactive aluminum)	Azodrin
Acid - Base Potential	Aluminum, Organic + Inorganic Monomeric (reactive aluminum)	Bacillus thuringiensis (Berliner)
Acid Generation Potential	Aluminum, Organic Monomeric (reactive aluminum)	Bacillus thuringiensis aizawai
Acid Neutralization Potential Acidity (ANPA)	Americium-241	Bacillus thuringiensis aizawai GC-91
Acid Neutralization Potential As %CaCO3	Ametryne	Bacillus thuringiensis israelensis
Acid Neutralizing Capacity (ANC)	Amikacin	Bacillus thuringiensis kurstaki
Acid Volatile Sulfides (AVS)	Amines, C10-16-alkyldimethyl, N-oxides	Bacillus thuringiensis kurstaki BMP123
Acidity as CaCO3	Aminocarb	Bacillus thuringiensis kurstaki EG2348
Acidity, Free Mineral (FMA)	Aminodiphenyl, 4-	Bacillus thuringiensis kurstaki EG2371
Acidity, Hydrogen ion (H+)	Aminomethylphosphonic acid	Bacillus thuringiensis kurstaki EG2424
Acifluorfen	Amino-s-triazole ***retired*** change to ISN 640	Bacillus thuringiensis kurstaki HD1, D-endotoxin, cry1A(b)
Acifluorfen, sodium salt	Amitriptyline	Bacillus thuringiensis morrisoni, lepidopteran active
Acinetobacter	Ammonia uptake	Bacillus thuringiensis NB357M
Acridine	Ammonia, unionized	Bacillus thuringiensis tenebrionis
Acriflavine (neutral base)	Ammonium bromide	Bacitracin
Acrolein	Ammonium hydroxide	Bacteria Mix, Unspecified
Acrylamide	Ammonium perchlorate	Bacteria, denitrifiers
Acrylonitrile	Ammonium picrate	Bacteria, heterotrophic
Actinium-228	Ammonium sulfamate	Bacteria, iron+sulfur fixers
Actual Number of Individuals Examined	Amobam oxidation products	Bacteria, nitrifiers
Actual Number of Individuals Measured	Amoeba	Bank erosion stability (choice list)
Actual Number of Individuals Weighed	Amoebidae	Bank vegetative stability (choice list)
Adenosine triphosphate (ATP)	Amoxicillin	Barban
Aeromonas hydrophila	AMPA	Barite
Aflatoxins (toxic metabolites produced by fungi)	Ampicillin	Barium
Age	Amyl acetate (mixed isomers)	Barium-140
Age, Otoliths (Fish)	Amyl alcohol, tert-	Barium-Lanthanum
Age, Scales (Fish)	Amylbenzene, n-	Barometric pressure
Age, Spines (Fish)	Amylbenzene, tert-	Bases
Age, Vertebra (Fish)	Anabasine	Bayer-73
Air entrained	Anatoxin (toxin produced by blue green algae)	Bendiocarb phenol
Alachlor	Anilazine	Benefin
Aldicarb	Aniline	Benomyl
Aldicarb sulfone	Anion / Cation Ratio	Bentazone
Aldicarb sulfoxide	Anion deficit	Bentonite
Aldrin	Anions, Organic	Benzaldehyde
Aldrin + Dieldrin Mix, unspecified	Anions, Sum of	Benzene
Algae, All Groups, density	Anthracene	Benzene, (1-methyl-1-propenyl)-,(E)-
Algae, Blue-green (Phylum Cyanophyta) density	Anthraquinone, 9,10-	Benzene, (1-methyl-1-propenyl)-,(Z)-
Algae, Brown (Phylum Phaeophyta) density		Benzene, 1,2-Propadienyl-
Algae, floating mat - severity (choice list)		Benzene, C6-12-alkyl derivatives
Algae, Golden-brown (Phylum Chrysophyta) density		Benzene, Toluene, Ethyl Benzene, Xylenes mix (BTEX)
Algae, Green (Phylum Chlorophyta) density		

Benzeneacetaldehyde	bis(chlorophenyl)methane	Butyraldehyde
Benzenethiol	bis(n-octyl) Phthalate	Butyric acid, n-
Benzidine	Bismuth	Butyrolactone, gamma-
Benzisothiazole, 1,2-	Bismuth-212	C1-Fluoranthenes/pyrenes
Benzo(c)cinnoline	Bismuth-214	C1-Phenanthrenes/anthracenes
Benzo(e)pyrene	Bisphenol-A	C2-Chrysenes
Benzo[a]anthracene	Blasticidin S	C2-Dibenzothiophenes
Benzo[a]pyrene	BOD load	C2-Fluoranthenes/pyrenes
Benzo[b]fluoranthene	BOD reaction lag, carbonaceous	C2-Fluorenes
Benzo[b]naphtho[2,3-d]thiophene	BOD reaction lag, nitrogenous	C2-Naphthalenes
Benzo[b]thiophene	BOD removal	C2-Phenanthrenes/anthracenes
Benzo[bk]fluoranthene	BOD removal, carbonaceous	C3-Chrysenes
Benzo[g,h,i]perylene	BOD, Biochemical oxygen demand	C3-Dibenzothiophenes
Benzo[j]fluoranthene	BOD, carbonaceous	C3-Fluoranthenes/pyrenes
Benzo[k]fluoranthene	BOD, nitrogenous	C3-Fluorenes
Benzofluoranthene	BOD, sediment load	C3-Naphthalenes
Benzofluorene	BOD, ultimate	C3-Phenanthrenes/anthracenes
Benzofuran, 2,3-	BOD, ultimate carbonaceous	C4-Chrysenes
Benzoic acid	BOD, ultimate first stage	C4-Naphthalenes
Benzoic acid, 2,4,5-trimethyl-	BOD, ultimate second stage	C4-Phenanthrenes/anthracenes
Benzonitrile	Bolstar	Cadmium
Benzophenone	Boric acid	Caffeine
Benzothiazole	Boric acid (H3BO3)	Calcium
Benzoyl chloride	Boric acid esters (mix-unspecified)	Calcium as CaCO3
Benzyl alcohol	Boron	Calcium oxide
Benzyl chloride	Bromacil	Calcium oxytetracycline
Benzyl cyanide	Bromide	Calcium phosphate tribasic
Benzyl ethyl ether	Bromine	Calcium sulfate
Beryllium	Bromine chloride	Calcium sulfate dihydrate
Beryllium-7	Bromo-3-chloro-5,5-dimethylhydantoin	Calcium-45
Betasan	Bromoacetic acid (MBA)	Camphor
BHC, beta-BHC & gamma-BHC Mix, unspecified	Bromoacetoxyacetic acid (BCAA)	Candida
BHC-alpha	Bromoacetonitrile	Candida albicans
BHC-beta	Bromoacetoxyacetonitrile	Caprolactam
BHC-delta	Bromoform	Captan
BHC-gamma (Lindane)	Bromophenyl-4 phenyl ether	Carbazole
Bi-2-cyclohexen-1-yl	Bromopropane, 1-Chloro-2-	Carbendazim
Bibenzyl	Bromoxynil	Carbofuran
Bicarbonate	Bulan	Carbon dioxide
Bicyclo(2.2.1)hept-2-ene, heptachloro-	Butachlor	Carbon disulfide
Bicyclo[3.2.1]oct-2-ene, 3-chloro-	Butadiene	Carbon Fraction, Particulate Organic Material
Bifenazate	Butane	Carbon monoxide
Binaphthyl, 1,1'-	Butane dichloride	Carbon tetrachloride
Biomass	Butanedinitrile	Carbon, alcohol extractables (CAE)
Biomass, benthic	Butanol, n-	Carbon, chloroform extractables (CCE)
Biomass, chlorophycota	Butene	Carbon, chloroform/alcohol ext.(CCE/CAE)
Biomass, chrysophyta	Butene, 1,4-Dichloro-2-	Carbon, inorganic
Biomass, cryptophycophyta	Butoxy ethanol, 2-	Carbon, organic
Biomass, cyanophycota	Butyl 2-ethylhexyl phthalate	Carbon, organic plus inorganic (TC)
Biomass, drift macroinvertebrates	Butyl acetate	Carbon, Total Inorganic
Biomass, euglenophycota	Butyl alcohol, sec-	Carbon, Total Organic (Toc)
Biomass, periphyton	Butyl alcohol, tert-	Carbon-13/Carbon-12 ratio
Biomass, phytoplankton	Butyl benzene	Carbon-14
Biomass, plankton	Butyl benzoate, n-	Carbonate ion (CO3-2)
Biomass, pyrrrophytophyta	Butyl benzyl phthalate	Carboxin
Biomass, zooplankton	Butyl lactate, n-	Cations, Sum of
Biomass/Chlorophyll ratio	Butyl stearate	Cations-Anions
Bio-toxin (general, non-specific)	Butylacetanilide	Cefoxitin
Biphenyl	Butylate	Ceftriaxone
Biphenyl, 3,5-Dichloro- ***retired*** (Change To ISN 1350)	Butylated hydroxyanisole	Cell Volume
Biquinoline, 2,2'-	Butylated hydroxytoluene crystalline	Cephalothin
bis(2-chloroethoxy) methane	Butylbenzene, sec-	Cerium
bis(2-chloroethyl) ether	Butylbenzene, tert-	Cerium-144
Bis(2-Chloroisopropyl) ether	Butylbenzoic acid, 4-tert-	Cesium
bis(2-ethylhexyl) adipate	Butyloctanol, 2-	Cesium-134
bis(2-ethylhexyl) phthalate (DEHP)	Butylphenol, 4-tert-	Cesium-137
bis(chloromethyl)ether	Butylphthalyl butylglycolate	Cesium-137, gross beta particle ***retired*** use ISN 52

Cetyl alcohol	Chloropropane, 1-	Cresol, m-
CFC-114	Chloropropane, 2-	Cresol, o-
Channel alteration (text)	Chloropropylate	Cresol, p-
Channel vegetative cover	Chloro-p-toluidine, 3-	Cryptomonas
Chloral	Chloropyrifos	Cryptomonas acuta
Chloral hydrate	Chlorosulfuron	Cryptomonas erosa
Chloramben	Chlorosyringaldehyde	Cryptomonas irregularis
Chloramben methyl	Chlortetracycline	Cryptomonas ovata
Chloramine	Chlorothion	Cryptomonas pusilla
Chloramphenicol	Chlorotoluene	Cryptomonas stigmatica
Chlorbenside	Chlorotoluene, 2-	Cryptosporidiidae
Chlordane	Chlorotoluene, 3-	Cryptosporidium
Chlordane, alpha use cis-Chlordane ***retired***	Chlorotoluene, 4-	Cryptosporidium parvum
ISN=100	Chloroxuron	Cumene
Chlordane, cis	Chlorpropham	Curium-244
Chlordane, gamma	Chlorpyrifos-methyl	Current direction
Chlordane, trans	Cholesterol	Current speed
Chlordene	Chromium	Cyanazine
Chlordene, alpha	Chromium, hexavalent	Cyanic acid
Chlordene, beta	Chromium, trivalent	Cyanide
Chlordene, gamma	Chromium-51	Cyanides Amenable to Chlorination
Chlordimeform	Chrysene	Cyanogen chloride
Chloride	Chrysene(C1-C4) ***retired*** (Change To ISN 130)	Cyclethrin
Chlorimuron-ethyl	Chrysenes C1-C4	Cycloate
Chlorine	Cineol, 1,8-	Cyclobutane, 1,1-dimethyl-2-octyl-
Chlorine demand	Cinerin I	Cyclododecane
Chlorine dioxide	Cinnamic acid	Cyclohexane
Chloroacetaldehyde	Ciprofloxacin	Cyclohexane, 1-bromo-2-chloro-, cis-
Chloroacetic acid (MCAA)	Citrobacter	Cyclohexanecarboxylic acid
Chloroamines (unspecified mix)	Clavibacter xyli cynodontis, producing BTK D-	Cyclohexanol
Chloroaniline, 2-	Endotoxin	Cyclohexanol, 2-bromo-, cis-
Chloroaniline, 3-	Clopyralid	Cyclohexanone
Chloroaniline, 4-	Clostridium	Cyclohexanone, 2-cyclohexylidene-
Chloroanilines (mixed isomers)	Clostridium perfringens	Cyclohexene
Chlorobenzene	Cloud cover	Cyclohexene sulfide
Chlorobenzilate	Cloud cover (choice list)	Cyclohexenecarboxylic acid, 3-
Chlorobenzothiazole, 2-	Cloud type (choice list)	Cyclohexyl amine
Chlorobromomethane	Coal	Cyclopenta(DEF)phenanthrene, 4H-
Chlorobutane, 1-	Cobalt	Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,
Chlorocyclohexene, 1-	Cobalt-58	Cyclopentane
Chlorodibromomethane	Cobalt-60	Cyclopentane, 1,1,3-trimethyl-3-(2-methyl-2-propenyl)-
Chlorodifluoromethane	COD ***retired*** (use COD, Chemical Oxygen Demand)	Cyclopropylbenzene
Chloroethane	COD, Chemical Oxygen Demand	Cymene
Chlorofluorobenzene, m-	Coliform/Strep Ratio, Fecal	Cymene, o-
Chlorofluoromethane	Coliphage, Male Specific (F+) all Groups	Cypermethrin (Cymbush)
Chloroform	Coliphage, Male Specific (F+) Group I	Cyprazine
Chloromethyl methyl ether	Coliphage, Male Specific (F+) Group II + Group III	Daconil
Chloronaphthalene (Halowax 1031)	Coliphage, Male Specific (F+) Group IV	Dacthal
Chloronaphthalene, alpha-	Coliphage, Somatic	Darvon
Chloronaphthalene-2	Coliphage, unspecified mix (Somatic + Male Specific (F+))	Data-logger operating voltage
Chloroneb	Color, Apparent	d-cis-trans-Allethrin
Chloronitrobenzene	Color, True	DDD
Chloro-o-cresol, 4-	Colored Dissolved Organic Matter (CDOM)	DDD, 2,4'- ***retired*** (use o,p'-DDD)
Chlorophenol	Compass / Tilt (probe)	DDD, o,p'
Chlorophenol-2	Copper	DDD, p,p'- ***retired*** (Use DDD)
Chlorophenyl-4 phenyl ether	Corrosion & scaling control, Langelier Saturation Index	DDE
Chlorophenylacetic acid, 4-	Corrosion & scaling control, Ryznar Stability Index	DDE, 2,4'- ***retired*** (Use o,p'-DDE)
Chlorophyll (a+b+c)	Cotinine	DDE, o,p'
Chlorophyll a (probe relative fluorescence)	Coumaphos	DDE, p,p'-, or 4,4'-DDE ***retired*** (use DDE)
Chlorophyll a (probe)	Creosote	DDT
Chlorophyll a, corrected for pheophytin	Creosote (wood)	DDT, 2,4'- ***retired*** (use o,p'-DDT)
Chlorophyll a, free of pheophytin	Cresol	DDT, p,p'-, or 4,4'-DDT ***retired*** (use DDT)
Chlorophyll a, uncorrected for pheophytin		DDT-o,p'
Chlorophyll/Pheophytin ratio		
Chlorophyll-b		
Chlorophyll-c		
Chloropicrin		
Chloroprene		

Decachlorobiphenyl ***retired*** (CHANGE TO ISN 1386)	Dichlofenthion	Diesel range organics
Decafluorobiphenyl	Dichlone	Diethyl-Ethyl (Antor)
Decahydronaphthalene	Dichloran	Diethyl aniline, n,n-
Decamethylcyclopentasiloxane	Dichloro-2-butyne, 1,4-	Diethyl disulfide
Decane	Dichloroacetic acid (DCAA)	Diethyl phosphorodithioic acid
Decanoic acid, n-	Dichloroacetone, 1,1-	Diethyl phthalate
Decanol, 1-	Dichloroacetonitrile	Diethyl terephthalate
Decyne	Dichloroacetylene	Diethyl-3-methylbenzamide, n,n- (MGK,DEET)
Dehydroabietic acid	Dichloroaniline, 3,4-	Diethylaniline, 2,6-
Dehydroabietic acid, methyl ester	Dichloroanisole	Diethylbenzene
Dehydroabietylamine	Dichlorobenzene	Diethylene glycol monoethyl ether
Dehydroabietylamine acetate	Dichlorobenzene isomers	Diethylstilbestrol (DES)
Dehydroabietylamine pentachlorophenate	Dichlorobenzidine, 3,3'-	Diethyltetrahydrofuran, 2,5-
Dehydroabietylamine-ethylene oxide condensate	Dichlorobenzil, 4,4'	Difolatan
Dehydroabietylammonium phenoxide	Dichlorobenzoic acid, 3,5-	Diheptyl phthalate
Deisopropyldeethylatrazine	Dichlorobenzophenone, 2,2'-	Dihydroabietylamine acetate
Demeton	Dichlorobenzophenone, 3,3'-	Dihydrocholesterol
Demeton, o-	Dichlorobiphenyl	Diisobutyl phthalate
Demeton, s-	Dichlorobromofluoromethane	Diisobutylphenoxyethanol
Density	Dichlorobromomethane	Diisooctyl phthalate
Density as sigma-t	Dichlorobutane, 1,2-	Diisopropyl ether
Deoxygenation constant	Dichlorobutane, 1,4-	Diisopropylene glycol
Deoxygenation constant-Carbon	Dichlorobutylene	Dilan
Deoxygenation constant-Nitrogen	Dichlorocatechol, 4,5-	Dimethazone
Depth	Dichlorodifluoromethane	Dimethenamid
Depth, below bottom surface	Dichlorodiisopropyl ether, 2,2'-	Dimethoate
Depth, bottom	Dichloroethane	Dimethoxane
Depth, data-logger (non-ported)	Dichloroethane, 1,1-	Dimethoxyanthracene, 1,4-
Depth, data-logger (ported)	Dichloroethane, 1,2-	Dimethoxymethane
Depth, Secchi Disk Depth	Dichloroethene (all isomers)	Dimethyl cyclopropane, 1,1-
Depth, Secchi Disk Depth (Choice List)	Dichloroethene, trans-1,2-	Dimethyl formamide
Depth, snow cover	Dichloroethylene, 1,2-	Dimethyl malate
Desethyl atrazine	Dichloroethylene, cis-1,2-	Dimethyl phenanthrene
Desipramine	Dichloroiodomethane	Dimethyl phthalate
Desisopropyl atrazine	Dichloroisopropanol, 1,3-	Dimethyl styrene
Deuterated methylcyclohexane	Dichloromethane	Dimethyl sulfate
Deuterated toluene	Dichloromonofluoromethane	Dimethyl sulfide
Deuterium/Hydrogen ratio	Dichloronitrobenzene, 2,4-	Dimethyl sulfoxide (DMSO)
Dextronorgestrel	Dichloro-o-cresol, 4,6-	Dimethyl terephthalate (DMT)
Di(dehydroabietyl)amine acetate	Dichloropentane	Dimethylacetal
Diallate	Dichlorophenol	Dimethylacetamide, n,n-
Diallyl phthalate	Dichlorophenol, 2,6-	Dimethylamine
Diameter	Dichlorophenol, 3,4-	Dimethylaminoazobenzene, 4-
Diamino-s-triazine, 2,4-	Dichloropropane	Dimethylarsonic acid (DMA)
Diaminotoluene (mixed isomers)	Dichloropropane, 1,1-	Dimethylbenz(a)anthracene, 7,12-
Dianisidine, o-	Dichloropropane, 1,2-	Dimethylbiphenyl
Diatoms	Dichloropropane, 1,3-	Dimethylcyclopentane, cis-1,3-
Diazinon	Dichloropropane, 2,2-	Dimethyldisulfide
Dibenz(a,j)acridine	Dichloropropene, 1,1-	Dimethylfuran, 2,5-
Dibenzo[a,h]anthracene	Dichloropropene, 1,2-	Dimethylhexane, 3,3-
Dibenzofuran	Dichloropropene, 1,3-	Dimethylhexane, 3,4-
Dibenzothiophene	Dichloropropene, 1,3 cis-	Dimethylnaphthalene
Dibenzothiophenes, 1-	Dichloropropene, 1,3 trans-	Dimethylnaphthalene, 1,2-
Dibenzylamine	Dichloropropene, 2,3-	Dimethylnaphthalene, 1,4-
Dibromo-3-nitrilopropionamide, 2,2-	Dichloropropionic acid, 2,2-	Dimethylnaphthalene, 1,6-
Dibromoacetic acid (DBAA)	Dichloropropylene	Dimethylnaphthalene, 2,6-
Dibromoacetonitrile	Dichlorotoluene	Dimethylnaphthalene, 2,7-
Dibromochloroethane	Dichlorotrifluoroethane	Dimethyloctane, 2,3-
Dibromodichloromethane	Dichlorovos (DDVP)	Dimethylphenethylamine, alpha,alpha-
Dibromomethane	Dichlorprop	Dimethylphenol, 3,4-
Dibutyl nonanedioate	Diclofop-methyl	Dimethylphenol, 3,5-
Dibutyl phthalate	Dicofol	Dimethylphosphorodithioate
Dibutylphthalate, p-	Dicrotophos	Dimethylpropane, 2,2-
Dibutyltin	Dicyclohexyl phthalate	Dimethylstearamide, n,n-
Dicamba	Dicyclopentadiene	Di-n-butyl Tin(IV) Dichloride
Dicaphthon	Dieldrin	Dinex
Dichlobenil	Diesel fuel	Dinitroaniline, 3,5-
		Dinitrobenzene, m-

Dinitro-o-cresol	Enterobacter	Euamoebida
Dinitro-p-cresol, 2,6-	Enterobacter aerogenes	Europium
Dinitrophenol, 2,4-	Enterobacter cloacae	Europium-152
Dinitrotoluene	Enterococcus Group Bacteria	Europium-154
Dinitrotoluene, 2-amino-4,6-	Epichlorohydrin	Europium-155
Dinitrotoluene, 4-amino-2,6-	EPN, Phenylphosphonothioic acid	Evaporation
Dioxalane, 1,3-	EPTC, Dipropylthiocarbamic acid s-ethyl ester	Famphur
Dioxane, 1,4-	Equilenin	Farnesol
Dioxathion	Equilin	Fecal Coliform
Dioxins and Furans (unspecified mix)	Erbium	Fecal Streptococcus Group Bacteria
Dioxolane, 4-methyl-1,3-	Erythromycin A	Fenamiphos
Diphenamid	Escherichia	Fenarimol
Diphenyl amine	Escherichia coli	Fenchone
Diphenyl ether	Esfenvalerate	Fensulfothion
Diphenyldisulfide	Estradiol	Fenthion
Diphenylhydrazine	Estrone	Fenuron
Diphenylhydrazine, 1,2-	Ethalfluralin	Fenvalerate
Diphenylstibene 2-ethylhexanoate	Ethane	Ferbam
Diprophylline	Ethane thiol	Fipronil
Diquat dibromide (Reglone)	Ethanol, 2-(2-Butoxyethoxy)-	Fish Anomalies - Deformities
Diquat ion	Ethanol, 2-(2-Methoxyethoxy)-	Fish Anomalies - Erosions
Discharge velocity	Ethanol, 2-(nonylphenoxy)-	Fish Anomalies - Lesions
Dissolv Inorganic Nitrogen/Soluble Reactive	Ethanol, 2-[2-(nonylphenoxy)ethoxy]-	Fish Anomalies - Multiples
Phosphorus Ratio	Ethanol, 2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]-	Fish Anomalies - Tumors
Dissolved gases	Ethanol, 2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-	Fish Condition Factor
Dissolved oxygen (DO)	Ethanone, 1-(4-Hydroxy-3-methoxyphenyl)-	Fish Kill Observation (text)
Dissolved oxygen saturation	Ethanone, 1-[4-(1-Methylethenyl) Phenyl]-	Fish Kill, severity (choice list)
Dissolved oxygen uptake	Ether, Dipropyl	Flavobacterium
Distance from/to	Ethynil estradiol	Floating debris - severity (choice list)
Disulfoton	Ethion	Floating Detergent/Soup - Severity (Choice List)
Disulfotone sulfone	Ethofumesate	Floating foam/suds - severity (choice list)
Diuron	Ethoprop	Floating Garbage Severity (Choice List)
Divinyl benzene	Ethoxyethanol, 2-	Floating sewage - severity (choice list)
D-Limonene	Ethoxyethyl acetate, 2-	Floating solids, unspecified mix (choice list)
DNBP, 4,6-Dinitro-2-sec-butylphenol	Ethyl acetate	Flow
Docosane, n-	Ethyl alcohol	Flow, runoff
Docosanoic acid	Ethyl alcohol-d	Flow, severity (choice list)
Docosanoic acid, methyl ester	Ethyl benzene	Flow, stream class (choice list)
Dodecane	Ethyl cinnamate	Flow, stream stage (choice list)
Dodecyl alcohol ***retired*** change to ISN 960	Ethyl ether	Fluazifop-P-butyl (Fusilade 2000)
Dodecyl mercaptan	Ethyl isobutyrate	Fluchloralin
Dotriaccontane, n-	Ethyl methacrylate	Flucythrinate (Cyb bolt)
Doxepin	Ethyl methanesulfonate	Fluoboric acid
Dried blood, glyoxal-denatured	Ethyl methyl sulfide	Fluometuron
Dry period preceding precipitation	Ethyl oleate	Fluoranthene
Durenol	Ethyl sulfide	Fluoranthenes + Pyrenes Mix, unspecified
Dylox	Ethyl tert-butyl ether	Fluoranthenes, C1-C4
Dysprosium	Ethyl ziram	Fluorene
Elevation, aquifer top, MSL	Ethylene	Fluorennes, C1-C3
Elevation, groundwater surface, MSL	Ethylene chlorohydrin	Fluorides
Elevation, land surface, MSL	Ethylene dibromide (EDB)	Fluorine
Elevation, MSL	Ethylene glycol	Fluorobenzene
Elevation, tailwater surface, MSL	Ethylene glycol diethyl ether	Fluorobiphenyl, 2-
Elevation, water surface, MSL	Ethylene glycol dinitrate	Fluridone
Embeddedness	Ethylene oxide	Fluvalinate (Spur)
Endosulfan	Ethylenediamine	Folpet
Endosulfan 1 (use alpha-Endosulfan)	Ethylenediaminetetraacetic acid (EDTA)	Fonofos
***retired*** ISN=223	Ethylenethiourea	Formaldehyde
Endosulfan 2 (use beta-Endosulfan) ***retired***	Ethylhexanoic acid, 2-	Formetanate hydrochloride (Carzol))
ISN=224	Ethylisothiocyanate	Formic acid
Endosulfan Sulfate	Ethylmethylbenzene	Freon 113
Endosulfan, alpha-	Ethylnaphthalene, 2-	Fuel oil #1
Endosulfan, beta-	Ethylresorcinol, 4-	Fuel oil #2
Endothall	Ethyltoluene, 2-	Fungi
Endrin	Ethyltoluene, 3-	Furan
Endrin Aldehyde	Ethyltoluene, 4-	Furancarboxylic acid
Endrin ketone	Etridiazole	Furfural
Enflurane		Gadolinium

Gage height	Hexachlorobutene	Hydrogen sulfide
Gallium	Hexachlorocyclohexane	Hydrogen, H2
Gas bubble severity (choice list)	Hexachlorocyclohexane (mixture)	Hydrograph Limb (choice list)
Gasoline	Hexachlorocyclopentadiene	Hydroquinone
Gasoline range organics	Hexachlorodibenzofuran, 1,2,3,4,7,8-	Hydroxide
General Observation (text)	Hexachlorodibenzofuran, 1,2,3,6,7,8-	Hydroxyanisole, p-
General Pathology (text)	Hexachlorodibenzofuran, 1,2,3,7,8,9-	Hydroxybenzoic acid, 3-
Gentamicin	Hexachlorodibenzofuran, 2,3,4,6,7,8-	Hydroxybenzoic acid, 4-
Germanium	Hexachlorodibenzo-p-dioxin	Hydroxycarbofuran, 3-
Giardia	Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8-	Hydroxychlordene, 1-
Giardia lamblia	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	Hydroxyl ion ***retired*** CHANGE TO ISN 9794
Girth	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-	Hydroxymethylprogesterone
Gluconic acid	Hexachloroethane	Ice cover, floating or solid - severity (choice list)
Glycine (Aminoacetic acid)	Hexachloronorbornadiene	Ice thickness
Glycolic acid	Hexachlorophene	Icosane
Glyphosate (Roundup)	Hexachloropropylene	Icosanol
Glyphosate (Roundup),***retired*** Change To ISN 1036	Hexacosane, n-	Imazalil (Fungaflor)
Gold	Hexadecadienal, (Z,Z)-11,13-	Imidan
Gross alpha radioactivity, (Americium-241 ref std)	Hexadecane, n-	Imipenem
Gross alpha radioactivity, (nat-Uranium ref std)	Hexadecanenitrile	Imipramine
Gross alpha radioactivity, (Plutonium-239 ref std)	Hexadecenoic acid, 9-	Indene
Gross alpha radioactivity, (Thorium-230 ref std)	Hexafluoropropylene	Indeno[1,2,3-cd]pyrene
Gross beta radioactivity, (Cesium-137 ref std)	Hexaldehyde	Indium
Gross beta radioactivity, (Strontium-90/Yttrium-90 ref std)	Hexamethylbenzene	Indole
Gross gamma radioactivity, (Cesium-137 ref std)	Hexamethylcyclotrisiloxane	Inert gases
Hafnium	Hexamethylphosphoramide	Iodide ion
Halides (unspecified mix)	Hexane	Iodine
Haloacetic Acids (HAAs) (unspecified mix)	Hexanedioic acid dioctyl ester	Iodine-131
Halogen	Hexanedioic acid, bis(1-methylethyl) ester	Ionic Strength
Halogenated organics (unspecified mix)	Hexanoic acid	Ioxynil
Hardness, Ca + Mg	Hexanol	Iprodione
Hardness, carbonate	Hexanol, n-	Iridium
Hardness, Mg	Hexanone	Iron
Hardness, non-carbonate	Hexanone, 2-	Iron and Aluminum Mix
Hartmannella	Hexazinone	Iron and Manganese Mix
Hartmannella limax	Hexene	Iron sulfide (FeS)
Hartmannella vermiciformis	HFC-365mfc	Iron, ferric, Fe+3
Height measure	Hilsenhoff Biotic Index	Iron, ferrous, Fe+2
Helium	HMX, Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	Iron-59
Hellebore alkaloids	Holmium	Isazofos (Miral)
Hendecanoic acid, n-	Hydrazine	Isoborneol
Henicosane, n-	Hydrindene	Isobutane
Heptachlor	Hydrocarbons, C10	Isobutyl acetate
Heptachlor epoxide	Hydrocarbons, C12	Isobutyl alcohol
Heptachlorobicycloheptene	Hydrocarbons, C14	Isobutyl ester, 2,4-D
Heptachlorobiphenyl	Hydrocarbons, C16	Isobutylene
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	Hydrocarbons, C18	Isobutyraldehyde
Heptachlorodibenzofuran, 1,2,3,4,7,8,9-	Hydrocarbons, C20	Isocyanatobenzene
Heptachlorodibenzo-p-dioxin	Hydrocarbons, C22	Isodrin
Heptacosane, n-	Hydrocarbons, C24	Isofenphos
Heptadecane, n-	Hydrocarbons, C26	Isooctyl 2,4,5-T ester
Heptadecanol, 1-	Hydrocarbons, C28	Isophorone
Heptanal	Hydrocarbons, C29	Isopropalin
Heptane	Hydrocarbons, C30	Isopropenyl acetate
Heptanoic acid, n-	Hydrocarbons, C31	Isopropyl acetate
Heptanol	Hydrocarbons, C32	Isopropyl alcohol
Heptylene	Hydrocarbons, C33	Isopropyl myristate
Herbicide, (Unspecified Mix)	Hydrocarbons, C34	Isopropyl palmitate
Heterotrophic bacteria	Hydrocarbons, C35	Isopropyl stearate
Hexabromobenzene	Hydrocarbons, C8	Isopropyltoluene
Hexachlorobenzene	Hydrocarbons, Chlorinated (Unspecified Mix)	Isoquinoline
Hexachlorobenzene ***retired*** (change to ISN 264)	Hydrocarbons, Petroleum (Unspecified Mix)	Isosafrole
Hexachlorobiphenyl	Hydrocarbons, Volatile Petroleum (VPH)	Iothiocyanate
Hexachlorobutadiene	Hydrochloric acid	Kepone
	Hydrocortisone	Kerosene
	Hydrogen cyanide	Klebsiella
	Hydrogen peroxide	Kojic Acid

Krenite	Megestrol acetate	Methyl salicylate
Lake condition (choice list)	Mercaptodimethur	Methyl tetradecanoate
Lake Physical Appearance (choice list)	Mercury	Methyl tridecanoate
Lake Recreational Suitability (choice list)	Meropenem	Methyl trithion
Lake suitability for recreation (choice list)	Merphos	Methylamine
Lanthanum	Mestranol	Methylanthracene, 2-
Larkspur alkaloid	Metacetaldehyde (Metason)	Methylanthracene, 9-
Lauric acid	Metalaxylyl	Methylarsonic acid (MAA)
Lead	Metasystox	Methylbenzamine, 2-
Lead chromate	Methacrylic acid	Methylbenzoic acid
Lead oxide	Metham sodium	Methylbiphenyl
Lead-210	Methamidophos	Methylbutanal, 2-
Lead-212	Methane	Methylbutanal, 3-
Lead-214	Methanol	Methylbutane, 2-
Length	Methapyrilene	Methylcholanthrene, 3-
Length, Fork (Fish)	Methidathion	Methylchrysene
Length, Standard (Fish)	Methomyl	Methylcyclohexanol
Length, total	Methoxybenzene	Methylcyclohexanone peroxide
Length, Total (Fish)	Methoxychlor	Methylcyclopentane
Lifestage (choice list)	Methoxychlor, o,p'-	Methylcyclopentanone, 2-
Light (PAR at Depth/PAR at Surface) X 100	Methoxyphenol, 2-	Methyldecane, 4-
Light attenuation at measurement depth	Methoxytetrachlorophenol, 2-	Methyldihydroindene
Light attenuation coefficient	Methyl 4-chlorophenyl sulfide	Methylene bis(thiocyanate)
Light attenuation, depth at 10%	Methyl acetate	Methylenebis-(2-Chlorobenzeneamine), 4,4'-
Light attenuation, depth at 50%	Methyl acrylonitrile	Methylfluorene
Light attenuation, depth at 99%	Methyl allyl chloride	Methylhexane, 2-
Light Incident	Methyl anthracene	Methylhexane, 3-
Light Incident + Reflected (Ambient)	Methyl benzenamine, 4-	Methylindane
Light Photosynthetic Active Radiation (PAR)	Methyl benzoate	Methylindene
Light Photosynthetic Active Radiation At Depth (PAR)	Methyl bromide	Methylmercury (+1) ion
Light Reflected	Methyl butynol, 3-	Methylnaphthalene
Light Transmissivity	Methyl caproate	Methylnaphthalene, 1-
Light Underwater Extinction Coefficient (K)	Methyl chloride	Methylnaphthalene, 2-
Light Underwater Incident	Methyl crotonate, trans-	Methylpentane, 2-
Light Underwater Incident + Reflected	Methyl cyanide	Methylpentane, 3-
Light Underwater Reflected	Methyl cyclohexane	Methylphenanthrene
Lignin	Methyl cyclohexanecarboxylate	Methylphenanthrene, 1-
Lignosulfonic acid	Methyl decanoate	Methylprednisolone
Limonene	Methyl ether	Methylpyrene, 1-
Lincomycin	Methyl ethyl ketone	Methylpyrrolidone
Linoleic acid	Methyl ethyl ketone peroxide	Methylsalicylic acid, 3-
Linuron	Methyl furan	Methylstyrene, alpha-
Lipids (unspecified mix)	Methyl heptadecanoate	Metolachlor
Lithium	Methyl heptanoate	Metribuzin
Lithium-6	Methyl heptenone	Metsulfuron
Lithium-7	Methyl hexadecanoate	Mexacarbamate
Lithium-7/Lithium-6 ratio	Methyl icosanoate	MGK-264, Octyl bicycloheptene dicarboximide
Lorazepam	Methyl iodide	Mica
Lubricating oil	Methyl isobutetyl ketone	Microcystin (toxin produced by blue green algae & bacteria)
Lutetium	Methyl isobutyl carbinol	Mine discharge
Macroinvertebrates	Methyl isobutyl chloride	Mineral spirits
Magnesium	Methyl isobutyl ketone	Minocycline
Magnetite (Fe <sub>3</sub> O <sub>4</sub> )	Methyl isopropyl ketone	MIOX, Micaceous iron oxide
Malathion	Methyl isothiocyanate	Mirex
Maleic anhydride	Methyl laurate	Moisture content
Mancozeb	Methyl m-chlorobenzoate	Molinate
Maneb	Methyl mercaptan	Molybdenum
Manganese	Methyl methacrylate	Monobromobenzene
Manganese-54	Methyl methanesulfonate	Monobutyltin
MBAS (detergents, surfactants)	Methyl methylbenzoate	Monochlorobiphenyl
MCBA, Methyl chlorophenoxy acetic acid	Methyl o-benzoyl benzoate	Monomethyl hydrazine
MCPB, 4-(4-Chloro-2-methylphenoxy) butyric acid	Methyl octadecadienoate	Monuron
MCPP, Mecoprop	Methyl octadecanoate	Moxifloxacin
m-Cymene	Methyl octanoate	MTBE, Methyl tertiary butyl ether
Mecoprop (MCPP) ***retired*** change to ISN 1160	Methyl parathion	m-Terphenyl
	Methyl propyl benzoate, 2-	Myclobutanil (Rally)
	Methyl propyl disulfide	Mycobacterium

N,N-diethyl-3-methylbenzamide(MGK,OFF,Deet)***retired***	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Odor, Threshold Number
Nabam	Nitrogen, Nitrite (NO2) as N	Oflloxacin
Naegleria	Nitrogen, Nitrite (NO2) as NO2	Oil and Grease
Naled	Nitrogen, organic	Oil and Grease, surface slick/sheen - severity (choice list)
Nalidixic acid	Nitrogen-15	Oil of anise
Naphtha	Nitroglycerin	Oil, Mineral
Naphthalene	Nitrophenol, 2-	Oil, Motor
Naphthalenedione, 1,4-	Nitrophenol, 4-	Oleamide
Naphthalenedione, 2-(acetyloxy)-3-dodecyl-	Nitrophenols (mixed isomers)	Oleandomycin
Naphthalenes, C1-C4	Nitrosamine	Oleic acid
Naphthalic anhydride, 1,8-	Nitroso-9H-carbazole, 9-	Organic compounds, (unspecified mix)
Naphthol	Nitrosodibutylamine, n-	Organics semivolatile, (unspecified mix)
Naphthol, 1-	Nitrosodiethylamine, n-	Organics volatile, (unspecified mix)
Naphthylamine, alpha-	Nitrosodimethylamine, n-	Orthene
Naphthylamine, beta-	Nitrosomethylethylamine, n-	Oryzalin
Naphthylthiourea	Nitrosomorpholine, n-	Osmium
Napropamide	Nitrosonornicotine, n'	Osmotic pressure
n-Butylamine	Nitrosopiperidine, n-	o-Terphenyl
Neburon	Nitrosopyrrolidine, n-	Ovex
Neodymium	Nitrotoluene, 2-	Oxadiazon
Neomycin	Nitrotoluene, alpha-	Oxamyl
Neomycin sulfate	Nitrous oxide	Oxidation reduction potential (ORP)
Neosaxitoxin (toxin produced by red tide dinoflagellates)	n-Nitrosodiphenylamine	Oxychlordane
Neptunium-237	n-Nitrosodipropylamine	Oxyethylated tert-butylphenol
Neutrals	n-Nitroso-n-ethylurea	Oxyfluorofen
n-Hentricontane	n-Nitroso-n-methylurea	Oxygen 18
n-Hexyl chloride	n-octyl n-decyl phthalate	Oxygen 18/Oxygen 16 ratio
Niacide	Nodularin (toxin produced by blue green algae)	Oxygen 18/Oxygen 16 ratio in sulfate
Nickel	Nonachlor	Oxygen consumption
Nicosulfuron	Nonachlor, cis-	Oxygen uptake, day
Nicotinamide	Nonachlor, trans-	Oxygen uptake, night
Nicotinic acid	Nonachlorobiphenyl	Oxygen, (O2)
Niobium	Nonacosane, n-	Oxygenated compounds fraction
Niobium-95	Nonadecane, n-	Oxytetracycline
Nitrilotriacetic acid	Nonane	Ozone
Nitroaniline, 2-	Nonanediol, 1,9-	Palladium
Nitroaniline, 4-	Nonanoic Acid, n-	Palmitic acid
Nitroanisole, 2-	Nonene	Paraldehyde
Nitroanisole, 4-	Non-plankton algae severity (choice list)	Paraoxon
nitro-Benzene	Nonylphenol	para-Phenylenediamine
Nitrochlorobenzene, 3-	Nordoxepin	Paraquat
Nitrocyclohexane	Norethindrone	Parathion
Nitrofen	Norethyndrel	Paroxetine
Nitrofurantoin	Norflurazon	Partial pressure of dissolved gases
Nitrogen 15/14 ratio	North Carolina Biotic Index	Particle distribution
Nitrogen and argon (unspecified mix)	Nortriptylene	Particle size (size/range in result "Particle Size Basis")
Nitrogen dioxide	n-Tetradecyl alcohol	Particle size, Sieve No. 04, 4 mesh, (4.75mm)
Nitrogen gas (N2)	n-Tritiacontane	Particle size, Sieve No. 05, 5 mesh, (4.00mm)
Nitrogen ion (N)	Octachlorobiphenyl	Particle size, Sieve No. 06, 6 mesh, (3.35mm)
Nitrogen ion (N3)	Octachlorobiphenyl, 2,2',3,3',4,5,6,6'-***retired***	Particle size, Sieve No. 07, 7 mesh, (2.80mm)
Nitrogen, albuminoid	Octachlorocyclopentene	Particle size, Sieve No. 08, 8 mesh, (2.36mm)
Nitrogen, ammonia (NH3) + ammonium (NH4)	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-	Particle size, Sieve No. 10, 9 mesh, (2.00mm)
Nitrogen, ammonia (NH3) as NH3	Octachlorodibenzofuran (OCDF)	Particle size, Sieve No. 12, 10 mesh, (1.70mm)
Nitrogen, ammonia (NH3) as NH4	Octachloronaphthalene	Particle size, Sieve No. 14, 12 mesh, (1.40mm)
Nitrogen, Ammonia + Organic	Octachlorostyrene	Particle size, Sieve No. 16, 14 mesh, (1.18mm)
Nitrogen, ammonia as N	Octacosane, n-	Particle size, Sieve No. 18, 16 mesh, (1.00mm)
Nitrogen, Ammonium (NH4) as N	Octadecane, n-	Particle size, Sieve No. 20, 20 mesh, (0.850mm)
Nitrogen, ammonium (NH4) as NH4	Octadecanenitrile	Particle size, Sieve No. 25, 24 mesh, (0.710mm)
Nitrogen, ammonium (NH4)/ammonia (NH3) ratio	Octadecenal, 9-	Particle size, Sieve No. 30, 28 mesh, (0.600mm)
Nitrogen, inorganic	Octadecenoic acid	Particle Size, Sieve NO. 35, 32 Mesh, (0.425mm)
Nitrogen, Kjeldahl	Octadecyl acetate	Particle size, Sieve No. 40, 35 mesh, (0.425mm)
Nitrogen, mixed forms	Octamethylcyclotetrasiloxane	Particle size, Sieve No. 45, 42 mesh, (0.355mm)
(NH3)+(NH4)+organic+(NO2)+(NO3)	Octane, n-	Particle size, Sieve No. 50, 48 mesh, (0.300mm)
Nitrogen, Nitrate (NO3) as N	Octanoic acid	Particle size, Sieve No. 60, 60 mesh, (0.250mm)
Nitrogen, Nitrate (NO3) as NO3	Octasulfur	Particle size, Sieve No. 70, 65 mesh, (0.212mm)
	Oticizer	Particle size, Sieve No. 80, 80 mesh, (0.180mm)
	Octylphenol, 4-tert-	
	Odor severity (choice list)	

Particle size, Sieve No. 100, 100 mesh, (0.150mm)	PCB-040	PCB-086/087/097/108/119/125
Particle size, Sieve No. 120, 115 mesh, (0.125mm)	PCB-040/041/071	PCB-087
Particle size, Sieve No. 140, 150 mesh, (0.106mm)	PCB-041	PCB-087/115
Particle size, Sieve No. 170, 170 mesh, (0.090mm)	PCB-041/064	PCB-088
Particle size, Sieve No. 200, 200 mesh, (0.075mm)	PCB-041/064/071	PCB-088/091
Particle size, Sieve No. 230, 250 mesh, (0.063mm)	PCB-041/064/072	PCB-089
Particle size, Sieve No. 270, 270 mesh, (0.053mm)	PCB-042	PCB-090
Particle size, Sieve No. 325, 325 mesh, (0.045mm)	PCB-043	PCB-090/101
Particle size, Sieve No. 400, 400 mesh, (0.038mm)	PCB-044	PCB-090/101 / 113
Particle size, Sieve No. 450, 450 mesh, (0.032mm)	PCB-044/047/065	PCB-091
Particle size, Sieve No. 500, 500 mesh, (0.025mm)	PCB-045	PCB-092
PCB- 007	PCB-045/051	PCB-093
PCB- 077	PCB-046	PCB-093/095/098/100/102
PCB-001	PCB-047	PCB-094
PCB-002	PCB-047/048	PCB-095
PCB-003	PCB-047/075	PCB-096
PCB-004	PCB-048	PCB-097
PCB-004/010	PCB-049	PCB-098
PCB-005	PCB-049/069	PCB-099
PCB-005/008	PCB-050	Pcb-100
PCB-006	PCB-050/053	Pcb-101
PCB-007/009	PCB-051	Pcb-102
PCB-008	PCB-052	Pcb-103
PCB-009	PCB-053	Pcb-104
PCB-010	PCB-054	Pcb-105
PCB-011	PCB-055	Pcb-105/132/153
PCB-012	PCB-055/091	Pcb-106
PCB-012/013	PCB-056	Pcb-107
PCB-013	PCB-056/060	Pcb-107/124
PCB-014	PCB-057	Pcb-108
PCB-015	PCB-058	Pcb-109
PCB-015/017	PCB-059	Pcb-110
PCB-016	PCB-059/062/075	Pcb-110/115
PCB-016/032	PCB-060	Pcb-111
PCB-017	PCB-061	Pcb-112
PCB-017/018	PCB-061/070/074/076	Pcb-113
PCB-018	PCB-061/074	Pcb-114
PCB-018/030	PCB-062	Pcb-115
PCB-019	PCB-063	Pcb-116
PCB-020	PCB-064	Pcb-117
PCB-020/028	PCB-065	Pcb-118
PCB-020/033	PCB-066	Pcb-119
PCB-021	PCB-066/095	Pcb-120
PCB-021/033	PCB-067	Pcb-121
PCB-022	PCB-068	Pcb-122
PCB-022/051	PCB-069	Pcb-123
PCB-023	PCB-070	Pcb-123/149
PCB-024	PCB-070/076	Pcb-123/153
PCB-024/027	PCB-071	Pcb-124
PCB-025	PCB-072	Pcb-125
PCB-026	PCB-073	Pcb-126
PCB-026/029	PCB-074	Pcb-127
PCB-027	PCB-075	Pcb-128
PCB-028	PCB-076	Pcb-128/166
PCB-028/031	PCB-077/110	Pcb-129
PCB-029	PCB-078	Pcb-129/138/160/163
PCB-030	PCB-079	Pcb-130
PCB-031	PCB-080	Pcb-131
PCB-032	PCB-080/095	Pcb-132
PCB-033	PCB-081	Pcb-132/153
PCB-034	PCB-082	Pcb-133
PCB-035	PCB-083	Pcb-134
PCB-036	PCB-083/099	Pcb-134/143
PCB-037	PCB-084	Pcb-135
PCB-037/042	PCB-084/092	Pcb-135/144
PCB-037/042/059	PCB-085	Pcb-135/151/154
PCB-038	PCB-085/116/117	Pcb-136
PCB-039	PCB-086	Pcb-137

Pcb-137/176	Pcb-190	Pentachloronitrobenzene (PCNB)
Pcb-138	Pcb-191	Pentachlorophenol (PCP)
Pcb-138/160	Pcb-192	Pentacosane, n-
Pcb-138/163	Pcb-193	Pentadecane, n-
Pcb-139	Pcb-194	Pentadecanoic acid, methyl ester
Pcb-139/140	Pcb-195	Pentadecanoic acid, n-
Pcb-140	Pcb-195/208	Pentafluoro-Benzene
Pcb-141	Pcb-196	Pentafluorophenol (PFP)
Pcb-141/179	Pcb-196/203	Pentane
Pcb-142	Pcb-197	Pentanoic acid, n-
Pcb-143	Pcb-197/200	Pantanone, 2-
Pcb-144	Pcb-198	Pentene
Pcb-145	Pcb-198/199	Pentene, 1-
Pcb-146	Pcb-199	Perchlorate
Pcb-147	Pcb-200	Perchloric acid
Pcb-147/149	Pcb-201	Perfluorohexane
Pcb-148	Pcb-202	Periphyton
Pcb-149	Pcb-203	Periphyton, substrate rock/bank encrustation
Pcb-150	Pcb-204	(choice list)
Pcb-151	Pcb-205	Permethrin
Pcb-152	Pcb-206	Permethrin, (-)-cis-
Pcb-153	Pcb-207	Permethrin, (-)-trans-
Pcb-153/168	Pcb-208	Permethrin, cis-
Pcb-153/173/201	Pcb-209	Perthane
Pcb-154	Pcb-aroclor (mixture unspecified)	Perylene
Pcb-155	Pcb-aroclor 1016	Pesticides, (unspecified mix)
Pcb-156	Pcb-aroclor 1016/1221	p-Ethylacetophenone
Pcb-156/157	Pcb-aroclor 1016/1242	Pfiesteria
Pcb-157	Pcb-aroclor 1210	Pfiesteria piscicida
Pcb-158	Pcb-aroclor 1216	pH
Pcb-159	Pcb-aroclor 1221	Phenacetin
Pcb-160	Pcb-aroclor 1231	Phenanthren
Pcb-161	Pcb-aroclor 1232	Phenanthren + Anthracene (C1-C4) Mix,
Pcb-162	Pcb-aroclor 1240	unspecified
Pcb-163	Pcb-aroclor 1242	Phenanthrenes, C1-C4
Pcb-164	Pcb-aroclor 1242/1248	Phenanthridine
Pcb-165	Pcb-aroclor 1242/1248/1254	Phenethyl alcohol
Pcb-166	Pcb-aroclor 1242/1248/1260	Phenkaption
Pcb-167	Pcb-aroclor 1242/1254	Phenol
Pcb-168	Pcb-aroclor 1242/1254/1260	Phenol, 2-(methylthio)-
Pcb-169	Pcb-aroclor 1242/1260	Phenols (mixture)
Pcb-170	Pcb-aroclor 1248	Phenyl acetic acid
Pcb-170/190	Pcb-aroclor 1248/1254	Phenyl isopropanol
Pcb-171	Pcb-aroclor 1248/1254/1260	Phenyl sulfone
Pcb-171/173	Pcb-aroclor 1248/1260	Phenylbutyric acid, 4-
Pcb-171/202	Pcb-aroclor 1250	Phenylnaphthalene
Pcb-172	Pcb-aroclor 1252	Phenylpropionic acid, 3-
Pcb-172/197	Pcb-aroclor 1254	Phenylpyridine, 4-
Pcb-173	Pcb-aroclor 1254/1260	Phentyoin
Pcb-174	Pcb-aroclor 1260	Pheophytin ratio
Pcb-175	Pcb-aroclor 1262	Pheophytin/Chlorophyll ratio
Pcb-176	Pcb-aroclor 1268	Pheophytin-a
Pcb-177	Pcb-aroclor 5442	Phorate
Pcb-178	PCBS, Polychlorinated Biphenyls, (Unspecified	Phorate sulfone
Pcb-179	Mix)	Phosalone
Pcb-180	Pebulate	Phosdrin
Pcb-180/193	Pendimethalin	Phosphamidon
Pcb-181	Penicillin	Phosphate
Pcb-182	Pentachloroanisole	Phosphate, Tris(dichloroisopropyl)
Pcb-182/187	Pentachlorobenzene	Phosphated pesticides
Pcb-183	Pentachlorobiphenyl	Phosphoric acid dimethyl 4-nitrophenyl ester
Pcb-183/185	Pentachlorobutadiene	Phosphoric acid octyl diphenyl ester
Pcb-184	Pentachlorodibenzofuran, 1,2,3,7,8-	Phosphoric acid, diethyl ester
Pcb-185	Pentachlorodibenzofuran, 2,3,4,6,7-	Phosphorus
Pcb-186	Pentachlorodibenzofuran, 2,3,4,7,8-	Phosphorus as P
Pcb-187	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	Phosphorus as PO4
Pcb-188	Pentachloroethane	Phosphorus, hydrolyzable as P
Pcb-189	Pentachloronaphthalene	Phosphorus, hydrolyzable as PO4

Phosphorus, hydrolyzable plus orthophosphate as P	Precipitation 48hr prior to monitoring event (choice list)	Pumping rate
Phosphorus, organic as P	Precipitation 48hr prior to monitoring event amount	Pyramin (Chloridazon)
Phosphorus, orthophosphate as P	Precipitation during activity (choice list)	Pyrene
Phosphorus, orthophosphate as PO4	Precipitation event duration	Pyrethrins
Phosphorus, phosphate (PO4) as P	Precipitation Time Since Event	Pyridine
Phosphorus, phosphate (PO4) as PO4	Prednisone	Pyrite
Phosphorus, polyphosphate as PO4	Pristane	Pyrocatechol
Phosphorus-32	Productivity, Periphyton	Pyrogallol
Photomirex	Productivity, Photosynthetic Rate, Carbon	Quaterphenyl, 4-
Phthalic acid	Production	Quinoline
Phthalic anhydride	Productivity, Phytoplankton	Quinone
Phthalide	Productivity, Primary	Rabon
Phytane	Productivity, Secondary	Radium
Phytoplankton	Profenofos (Curacron)	Radium-223
Phytoplankton biovolume	Profluralin	Radium-224
Phytoplankton, settling volume	Progesterone	Radium-226
Picloram	Prolan	Radium-226/228
Picloram, isoctyl ester	Prometone	Radium-228
Picloram, isopropanolamine salt	Pronamide	Radon-222
Picloram, potassium salt	Propachlor	RBP Bank Stability, Left
Picloram, triethylamine salt	Propane	RBP Bank Stability, Right
Picloram, triisopropanolamine salt	Propanil	RBP Bank Vegetative Protection, Left
Picoline, 2-	Propanoic acid	RBP Bank Vegetative Protection, Right
Picric acid	Propanol, iso- ***retired***	RBP Bank Vegetative Stability, Left
Picrotoxin	Propanol, n-	RBP Bank Vegetative Stability, Right
Pinacolin	Propargite	RBP Bottom Substrate
Piperidinone, 2-	Propargyl alcohol	RBP Canopy Cover
Plankton	Propazine	RBP Channel Alteration
Platinum	Propetamphos	RBP Channel Flow Status
Plutonium-238	Propham	RBP Channel Sinuosity
Plutonium-239	Propiconazole (Tilt)	RBP Channelized Y/N
Plutonium-239/240 Mix, unspecified	Propionic acid ***retired*** change to ISN 1499	RBP Embeddedness
p-Octylphenol	Propionaldehyde	RBP Epifaunal Substrate
Polonium-210	Propionitrile	RBP Frequency of Riffles
Polyamidoxygostreptin	Propoxur	RBP High Water Mark
Polybrominated biphenyls (PBBS)	Propyl Acetate, n-	RBP Instream Cover
Polychlorinated naphthalenes (PCNs)	Propyl Amine, n-	RBP Local Watershed Erosion
Polycyclic aromatic hydrocarbons (PAHs), (unspecified mix)	Propylbenzene, n-	RBP Local Watershed NPS Pollution
Polyethylene	Propylene glycol	RBP Pool Substrate
Polyethylene glycol monoesters of mixed fatty and rosin acid	Propylene glycol allyl ether	RBP Pool Variability
Polymyxin	Propylene oxide	RBP Predominant Surrounding Land Use
Polyoxyethylene condensate with abietylamine	Propylthiouracil (Procasil)	RBP Sediment Deposition
Polypropylene	Protactinium-231	RBP Sediment Odors
Polyram	Protactinium-233	RBP Sediment Oils
Population diversity, fish, # of species	Protactinium-234	RBP Stream Depth - Pool
Population diversity, macroinvertebrates, # of species	Prothiophos	RBP Stream Depth - Ripple
Population diversity, phytoplankton, # of species	Protriptyline	RBP Stream Depth - Run
Population diversity, zooplankton, # of species	Prozac	RBP Stream Type
Potassium	Pseudomonas	RBP Stream Velocity
Potassium bisulfate	Pseudomonas cepacia type Wisconsin	RBP Stream Width
Potassium bitartrate	Pseudomonas fluorescens	RBP Substrate - Bedrock
Potassium glycolate	Pseudomonas fluorescens 112-12, (MON 11740)	RBP Substrate - Boulders >256 mm
Potassium Permanganate	Pseudomonas fluorescens 112-12, (MON 11750)	RBP Substrate - Cobbles 64-256 mm
Potassium sulfate	Pseudomonas fluorescens 112-12, (MON 11760)	RBP Substrate - Detritus - Coarse Particulate
Potassium-40	Pseudomonas fluorescens NCIB 12089	RBP Substrate - Gravel 2-64 mm
Power plant load	Pseudomonas fluorescens PS 3732-3-7, (MON 11710)	RBP Substrate - Marl - Gray, Shell Fragments
Power plant production	Pseudomonas fluorescens PS 3732-3-7, (MON 11720)	RBP Substrate - Muck/Mud - Very Fine Particles
Praseodymium	Pseudomonas fluorescens PS 3732-3-7, (MON 11730)	RBP Substrate - Sand 0.06-2.0 mm
Precipitation	Pseudomonas fluorescens PS 3732-3-7, (MON 11730)	RBP Substrate - Silt 0.004-0.06 mm
Precipitation 24hr prior to monitoring event (choice list)	Pseudomonas syringae 742RS	RBP Turbidity Code
Precipitation 24hr prior to monitoring event amount	p-Terphenyl	RBP Undersides of Loose Stones Black Y/N
	Pump efficiency	RBP Water Odors
	Pump pressure head	RBP Water Surface Oils

RBP2, Habitat Type, Canopy (%)	RBP2, Riparian Vegetation, Dominant Species
RBP2, Habitat Type, General Comments (text)	Present
RBP2, Habitat Type, Gravel-Cobble (%)	RBP2, Sediment/Substrate, Deposits
RBP2, Habitat Type, Large Woody Debris (%)	RBP2, Sediment/Substrate, Embedded Stone
RBP2, Habitat Type, Other (%)	Undersides Black
RBP2, Habitat Type, Plants, Roots (%)	RBP2, Sediment/Substrate, Odors
RBP2, Habitat Type, Pools (%)	RBP2, Sediment/Substrate, Oils
RBP2, Habitat Type, Riffle (%)	RBP2, Stream Character, Catchment Area
RBP2, Habitat Type, Run (%)	RBP2, Stream Character, Stream Origin
RBP2, Habitat Type, Sand (%)	RBP2, Stream Character, Stream Subsystem
RBP2, Habitat Type, Sand-Silt-Mud-Muck (%)	RBP2, Stream Character, Stream Type
RBP2, Habitat Type, Small Woody Debris (%)	RBP2, Substrate, Inorganic, Bedrock
RBP2, Habitat Type, Snags (%)	RBP2, Substrate, Inorganic, Boulder, >256 mm
RBP2, Habitat Type, Submerged Macrophytes (%)	RBP2, Substrate, Inorganic, Clay, <0.004 mm
RBP2, Habitat Type, Vegetated Banks (%)	RBP2, Substrate, Inorganic, Cobble, 64-256 mm
RBP2, High G, Bank Stability, Left Bank	RBP2, Substrate, Inorganic, Gravel, 2-64 mm
RBP2, High G, Bank Stability, Right Bank	RBP2, Substrate, Inorganic, Sand, 0.06-2 mm
RBP2, High G, Channel Alteration	RBP2, Substrate, Inorganic, Silt, 0.004-0.06 mm
RBP2, High G, Channel Flow Status	RBP2, Substrate, Organic, Detritus, Sticks, Wood, etc.(CPOM)
RBP2, High G, Embeddedness	RBP2, Substrate, Organic, Marl, Grey Shell
RBP2, High G, Epifaunal Substrate/Available Cover	Fragments
RBP2, High G, Frequency of Riffles (or bends)	RBP2, Substrate, Organic, Muck-Mud, Black-Fine (FPOM)
RBP2, High G, Habitat Assessment Total Score	RBP2, Water Quality, Turbidity
RBP2, High G, Riparian Vegetative Zone Width, Left Bank	RBP2, Water Quality, Water Odors
RBP2, High G, Riparian Vegetative Zone Width, Right Bank	RBP2, Water Quality, Water Surface Oils
RBP2, High G, Sediment Deposition	RBP2, Watershed, Local Erosion
RBP2, High G, Vegetative Protection, Left Bank	RBP2, Watershed, Local NPS Pollution
RBP2, High G, Vegetative Protection, Right Bank	RBP2, Watershed, Predominant Surrounding Landuse
RBP2, High G, Velocity/Depth Regime	RBP2, Weather Condition, General Observation (text)
RBP2, Instream Features, Canopy Cover	RBP2, Weather Condition, Heavy Rain in Last 7 Days, Y/N
RBP2, Instream Features, Channelized (Y/N)	RBP2, Weather Condition, Now
RBP2, Instream Features, Dam Present (Y/N)	RBP2, Weather Condition, Past 24 Hours
RBP2, Instream Features, Est. Reach Length	RDX, Cyclotrimethylenetrinitramine
RBP2, Instream Features, Est. Stream Depth	Relative humidity
RBP2, Instream Features, Est. Stream Width	Reoxygenation constant
RBP2, Instream Features, High Water Mark	Reservoir volume
RBP2, Instream Features, Morphology, Pools (%)	Residence / Flushing Time, Waterbody
RBP2, Instream Features, Morphology, Riffles (%)	Resorcinol
RBP2, Instream Features, Morphology, Run (%)	Respiration
RBP2, Instream Features, Sampling Reach Area	Respiration, planktonic
RBP2, Instream Features, Surface Velocity (at thalweg)	Retene
RBP2, Instream Features, Total Reach Area	Rhenium
RBP2, Large Woody Debris, Density of LWD (LWD/reach area)	Rhodamine WT
RBP2, Large Woody Debris, LWD (m2)	Rhodamine WT (probe)
RBP2, Low G, Bank Stability, Left Bank	Rhodium
RBP2, Low G, Bank Stability, Right Bank	Rhodium-106
RBP2, Low G, Channel Alteration	River/Stream channel slope
RBP2, Low G, Channel Flow Status	Ronnel
RBP2, Low G, Channel Sinuosity	Rotenone
RBP2, Low G, Epifaunal Substrate/Available Cover	Rubidium
RBP2, Low G, Habitat Assessment Total Score	Ruthenium
RBP2, Low G, Pool Substrate Characterization	Ruthenium-103
RBP2, Low G, Pool Variability	Ruthenium-103/106
RBP2, Low G, Riparian Vegetative Zone Width, Left Bank	Ruthenium-106/Rhodium-106
RBP2, Low G, Riparian Vegetative Zone Width, Right Bank	Safrole
RBP2, Low G, Sediment Deposition	Salicylaldehyde
RBP2, Low G, Vegetative Protection, Left Bank	Salinity
RBP2, Low G, Vegetative Protection, Right Bank	Salmonella
	Samarium
	SAN 835H
	Sand
	Saxitoxin
	S-Bioallethrin
	Scandium
	Sea Waves Severity
	Sebumeton
	Sediment, Inorganic, Classification (Choice List)
	Sediment, Organic, Classification (Choice List)
	Selenium
	Selenium-75
	Serpentine chrysotile (Asbestos)
	Serratio
	Sertraline
	Seston
	Sethoxydim (Poast)
	Sevin
	Sex (choice list)
	Siduron
	Silica
	Silicate
	Silicate / Dissolved Inorganic Nitrogen Ratio
	Silicon as Si
	Silicon as SiO2
	Silt
	Silver
	Silver-110
	Silvex
	Silvex, isoctyl ester
	Simazine
	Simetone
	Simetryn
	Simultaneously Extracted Metals (SEM)
	Simultaneously Extracted Metals/Acid Volatile Sulfides ratio
	Sludge, floating - severity (choice list)
	Sludge, substrate rock/bank cover - severity (choice list)
	Sodium
	Sodium Adsorption Ratio [(Na)/(sq root of 1/2 Ca + Mg)]
	Sodium carbonate
	Sodium chlorate
	Sodium chloride
	Sodium chromate
	Sodium dichromate
	Sodium dimethylthiocarbamate
	Sodium gluconate
	Sodium glycolate
	Sodium nitrite
	Sodium N-lauroylsarcosinate
	Sodium pentachlorophenate
	Sodium plus potassium
	Sodium salt of SAN 835H
	Sodium sulfate
	Sodium-22
	Solar irradiation, global
	Solar irradiation, local
	Solids, Dissolved
	Solids, Fixed
	Solids, Fixed Dissolved
	Solids, Fixed Suspended
	Solids, Settleable
	Solids, Total
	Solids, Total Suspended (TSS)
	Solids, Volatile
	Soluble Reactive Phosphorus (SRP)
	Sorbitol
	Species Rank
	Species Relative Density
	Specific conductance

Specific drawdown capacity	Sucrose sugar	Terbumeton
Specific gravity	Sulfamethoxazole	Terbutryl
Spirillum	Sulfathiazole	Terbutyiazine
Squalene	Sulfide	Terpene alcohol ***retired*** change to ISN 14509
Staphylococcus	Sulfide, Dipropyl	Terphenyls
Staphylococcus aureus	Sulfite (SO <sub>3</sub> ) as S	Terpineol
Stearic acid	Sulfite (SO <sub>3</sub> ) as SO <sub>3</sub>	Terramycin
Stendomycin salicylate	Sulfonic acids	tert-amyl methyl ether
Stigmast-5-en-3-ol, (3.beta.)-	Sulfur	tert-Butyl acetate
Stigmastan-3-ol, (3.beta.)-	Sulfur dioxide	Tetraacetylethylenediamine
Stirofos ***retired*** To ISN 11769	Sulfur hexamer	Tetrabromobisphenol A
Stream condition (text)	Sulfur, monosulfide	Tetrabromoethane, 1,1,2,2-
Stream Physical Appearance (choice list)	Sulfur, organic	Tetrachlorobenzene, 1,2,3,4-
Stream Physical Appearance, Minnesota (choice list)	Sulfur, pyritic	Tetrachlorobenzene, 1,2,3,5-
Stream Recreational Suitability (choice list)	Sulfur, sulfate (SO <sub>4</sub> ) as S	Tetrachlorobenzene, 1,2,4,5-
Stream stage height	Sulfur, sulfate (SO <sub>4</sub> ) as SO <sub>4</sub>	Tetrachlorobiphenyl
Stream width measure	Sulfur-32	Tetrachlorobutadiene
Streptococcus	Sulfur-34	Tetrachlorodibenzofuran, 2,3,7,8-
Streptomycin	Sulfur-34/Sulfur-32 ratio	Tetrachloroethane
Streptomycin nitrate	Surface area	Tetrachloroethane, 1,1,1,2-
Streptomycin sulfate	Surface tension	Tetrachloroethane, 1,1,2,2-
Streptozotocin	Surfactants, anionic	Tetrachloroethylene
Strobane	Surfactants, cationic	Tetrachlorophenol
Strong acids	Surfactants, ionic mix (anionic + cationic)	Tetrachlorophenol, 2,3,4,5-
Strontium	Surfactants, nonionic mix	Tetrachlorophenol, 2,3,4,6-
Strontium 86/87 Ratio	Surfactants, unspecified mix	Tetrachlorophenol, 2,3,5,6-
Strontium-89	Suspended Sediment Concentration (SSC)	Tetrachlorvinphos
Strontium-90	Suspended Sediment Discharge	Tetracosane, n-
Styrene	Swep	Tetracycline
Styrene oxide	Tamoxifen	Tetracycline hydrochloride
Substrate - bedrock	Tannic acid	Tetradecane, n-
Substrate - boulders	Tannin and Lignin	Tetradecanenitrile
Substrate - boulders, large	Tantalum	Tetradecanoic acid, n-
Substrate - boulders, medium	Tar, coal	Tetradecanol
Substrate - boulders, small	Tau-fluvalinate (Mavrik)	Tetraethyl dithiopyrophosphate (TEDP)
Substrate - clay	Taxonomic Diversity, Beck Biotic Index	Tetraethylammonium hydroxide
Substrate - clay, medium	Taxonomic Diversity, Brillouin Diversity Index	Tetrahydroabietylamine acetate
Substrate - clay/fine partic. org. matt.	Taxonomic Diversity, Lloyd, Zar, And Karr	Tetrahydrofuran
Substrate - claypan soil	Diversity Index	Tetrahydropyran (THP)
Substrate - cobbles	Taxonomic Diversity, Margalef Diversity Index	Tetralin
Substrate - cobbles, large	Taxonomic Diversity, Shannon & Wiener Index	Tetramethylbenzene, 1,2,3,5-
Substrate - cobbles, medium	Taxonomic Diversity, Shannon-Weaver Index	Tetramethylphenanthrene
Substrate - cobbles, small	Taxonomic Diversity, Simpson Diversity Index	Tetramethyl-pyrazine
Substrate - detritus - coarse particulate	Taxonomic Equitability	Tetra-n-butyltin
Substrate - grain size	Taxonomic Evenness	Tetratetracontane n-
Substrate - gravel	Taxonomic Redundancy	Tetratriacontane, n-
Substrate - gravel, coarse	Taxonomic Richness	Tetrodotoxin (toxin produced-chinese puffer fish, fugu spp.)
Substrate - gravel, fine	Taxonomic Richness, Ephemeroptera, Plecoptera,	Thallium
Substrate - gravel, medium	Trichoptera	Thallium-208
Substrate - gravel, very coarse	Tebuthiuron	Thecamoeba
Substrate - gravel, very fine	Technetium-99	Thecamoeba munda
Substrate - miscellaneous other	Tedion	Thecamoeba orbis
Substrate - sand	Tefluthrin	Thecamoebidae
Substrate - sand, coarse	Tellurium	Thermal discharge rate
Substrate - sand, fine	Telodrin	Thickness, supernatant layer
Substrate - sand, medium	Temephos	Thidiazuron (Dropp)
Substrate - sand, very coarse	Temperature, air	Thifensulfuron methyl
Substrate - sand, very fine	Temperature, sample	Thiobencarb
Substrate - sediment thickness	Temperature, sediment	Thiocyanic acid
Substrate - silt	Temperature, soil	Thiodicarb
Substrate - silt, coarse	Temperature, tissue	Thiophanate (Topsin)
Substrate - silt, fine	Temperature, water	Thiophene
Substrate - silt, medium	Temperature, wet bulb	Thiophene, 2-(1,1-Dimethylethyl)-
Substrate - silt, very fine	TEPP, Tetraethyl pyrophosphate	Thiosulfate
Substrate - silt/clay mix	Terbacil	Thiourea
Substrate - submerged logs	Terbium	Thorium
Substrate - submerged vegetation cover	Terbufos	
	Terbufos sulfone	

Thorium-228	Triadimefon (Green Light Fung-Away fungicide)
Thorium-230	Triallate
Thorium-234	Triazines (unspecified mix)
Thulium	Triazophos
Thuringiensin	Tribromophenol, 2,4,6-
Thuringiensin, calcium salt	Tribufos (DEF)
Tiamulin	Tributoxyethyl phosphate
Tide cycle duration	Tributyl ester of phosphoric acid
Tide cycle time	Tributylchlorostannane
Tide range	Tributylphosphine oxide
Tide rate	Tributylstannane
Tide stage	Tributyltin
Tide stage (choice list)	Tricamba (Banvel T)
Tilmicosin	Trichloroacetic acid (TCAA)
Tin	Trichloroacetone, 1,1,-
Titanium	Trichloroacetonitrile
Tolidine, o-	Trichlorobenzene
Toluene	Trichlorobenzene, 1,2,3-
Toluene diisocyanate (mixed isomers)	Trichlorobenzene, 1,3,5-
Toluenediamine, 2,4-	Trichlorobutadienes
Toluidine	Trichloroethane
Toluidine Hydrochloride, o-	Trichloroethane, 1,1,1-
Total Coliform	Trichloroethane, 1,1,2-
Total Nitrogen/Total Phosphorus Ratio (TN:TP)	Trichloroethylene
Total Nonfecal Coliform	Trichlorofluoromethane
Toxaphene	Trichloronaphthalene
Toxicity, A. Abdita, Coefficient Of Variation	Trichloronate
Toxicity, A. verrilli, Coefficient of Variation	Trichlorophenol
Toxicity, E. estuarious, Coefficient of Variation	Trichlorophenol, 2,4,5-
Toxicity, L. plumulosus, Coefficient of Variation	Trichloropropene
Toxicity, R. abronius, Coefficient of Variation	Trichloropropene, 1,1,1-
Toxicity, sediment, Ampelisca abdita, control survival	Trichloropropene, 1,2,3-
Toxicity, sediment, Ampelisca abdita, significant	Trichlorotrifluoroethane
Toxicity, sediment, Ampelisca abdita, survival	Trichlorotrifluoroethane, 1,1,1-
Toxicity, sediment, Ampelisca verrilli, control survival	Triclopyr
Toxicity, sediment, Ampelisca verrilli, significant	Tricosan
Toxicity, sediment, Ampelisca verrilli, survival	Tricosane, n-
Toxicity, sediment, Eohaustorius estuarious, control survival	Tricosene, 11-
Toxicity, sediment, Eohaustorius estuarious, significant	Tricyclazole
Toxicity, sediment, Eohaustorius estuarious, survival	Tridecane
Toxicity, sediment, L. plumulosus, control survival	Tridecanoic acid
Toxicity, sediment, Leptocheirus plumulosus, significant	Triethanolamine
Toxicity, sediment, Leptocheirus plumulosus, survival	Triethyl citrate
Toxicity, sediment, microtox, Vibrio fischeri, EC50	Triethylcarbinol
Toxicity, sediment, microtox, Vibrio fischeri, significant	Triethylene glycol dimethyl ether
Toxicity, sediment, Rhepoxynius abronius, significant	Trifluoromethyl-4-nitrophenol (TFM)
Toxicity, sediment, Rhepoxynius abronius, survival	Trifluralin ***retired*** change to ISN 497
Toxicity, Water, 100%/ LC50 (% effluent) for Ceriodaphnia	Triglycol dichloride
Toxicity, Water, Ceriodaphnia dubia, LC50 trans-1,2-Dichlorocyclohexane	Trihalomethanes (unspecified mix)
trans-1,4-Dichlorobutene-2	Triisopropanolamine
trans-1,4-Dichlorocyclohexane	Triisopropylamine
Transparency, tube with disk	Trimethoprim
Trefluralin	Trimethoprim/Sulfamethoxazole (unspecified mix)
Triacontane, n-	Trimethyl benzene
	Trimethyl cyclohexene
	Trimethylbenzene, 1,2,3-
	Trimethylbenzene, 1,2,4-
	Trimethylbenzene, 1,3,5-
	Trimethylcyclohexanone, 2,2,6-
	Trimethylene oxide
	Trimethylfluorosilane
	Trimethylnaphthalene
	Trimethylnaphthalene, 2,3,6-
	Trimethylphenol, 2,4,6-
	Trimethyl-pyrazine
	Trimipramine maleate
	Trinitrobenzol
	Trinitrotoluene, 2,4,6- (TNT)
	Triphenyl phosphate
	Tris(2-chloroethyl)phosphate
	Trithion
	Tritium
	Tungsten
	Turbidity
	Turbidity severity (choice list)
	Tylosin
	Tyrothrinicin
	Undecane
	Uranium
	Uranium 238/234 ratio
	Uranium-234
	Uranium-234/235/238
	Uranium-235
	Uranium-236
	Urea
	UV Absorption, relative conc. of organic constituents
	Vahlkampfia
	Vahlkampfia limax
	Valeraldehyde, n-
	Vanadium
	Vannella
	Vannellidae
	Velocity - stream
	Vernicasts
	Vernolate
	Verticillium lecanii
	Vibrio
	Vinclozolin
	Vinyl acetate
	Vinyl bromide
	Vinyl chloride
	Vinyl toluene
	Virus
	Waste well annulus pressure
	Waste well injection pressure
	Water appearance (text)
	Water content
	Water content of snow
	Water level (probe)
	Water level in well during pumping, measured from MSL
	Water level in well, depth from a reference point
	Water level in well, measured from ground surface
	Water level in well, measured from MSL
	Water level reference point elevation
	Wave height
	Wave height (WMO code 1555) (choice list)
	Weak acids
	Weather Comments (text)
	Weather Condition (WMO Code 4501) (Choice List)
	Weather condition (WMO code 4677) (choice list)
	Weight
	Weight, volatile portion
	Width
	Wind direction (direction from, expressed 0-360 deg)
	Wind force, Beaufort scale
	Wind velocity
	Withdrawal rate of ground water
	Xylene, m-
	Xylene, o-

Xylene, p-	Zinc	Zirconium
Xylenes mix of m + o + p	Zinc bacitracin	Zirconium/Niobium-95
Xylenes, m- & p- Mix	Zinc dehydroabietyl ammonium 2-ethylhexanoate	Zirconium-95
Xylenes, o- & p- Mix	Zinc phosphide	Zooplankton
Yersinia	Zinc-65	Zytron (DMPA)
Ytterbium	Zineb	
Yttrium	Ziram	
Yttrium-90	Zircon (Zr(SiO <sub>4</sub> ))	

## Appendix D.

### Valid Values for Result Value Units and Result Detection Limit Units

#/100 gal	drips/min	kcal	mho/cm	per m
#/100ml	drops	kg	mi	pfu/100ml
#/500 ml	FAU	kg/m <sup>2</sup>	mi <sup>2</sup>	pg
#/acre	FBU	kg/m <sup>3</sup>	Min	pg/cm <sup>3</sup>
#/cm <sup>2</sup>	fc/ft <sup>2</sup>	kg/t CaCO <sub>3</sub>	minutes	pg/g
#/cm <sup>3</sup>	fibers/l	km	ml	pg/kg
#/dl	FNMU	km/hr	ml/l	pg/l
#/ft <sup>2</sup>	FNRU	km/sec	mm	pg/m <sup>2</sup>
#/ha	FNU	km <sup>2</sup>	mm/H <sub>2</sub> O	pg/m <sup>3</sup>
#/in <sup>2</sup>	ft	knots	mm/Hg	Plate cnt
#/km <sup>2</sup>	ft/day	kw	mm <sup>2</sup>	ppb
#/l	ft/min	l	mm <sup>3</sup> /l	ppm
#/m <sup>2</sup>	ft/sec	l/day	mmol/kg	ppt
#/m <sup>3</sup>	ft <sup>2</sup>	l/hr	mmol/m <sup>2</sup> /dy	ppth
#/mi <sup>2</sup>	ft <sup>3</sup>	l/min	mmol/m <sup>2</sup> /hr	psi
#/ml	ft <sup>3</sup> /day	l/sec	Molal	PSS
#/yd <sup>2</sup>	ft-candles	Langleys	Molar	pt
%	ft-lbs	lb	Mole/l	qt
% by vol	FTU	lb/acre/yr	months	S/m
% by wt	g	lb/day	mph	Sec
% CaCO <sub>3</sub>	g/cm <sup>3</sup>	lb/hr	MPN	seconds
% Cover	g/day	lb/in	MPN/100ml	T.U.
% sediment	g/hr	lb/min	mrem/day	tCaCO <sub>3</sub> /Kt
0/00	g/kg	lb/sec	mrem/yr	TON
ac	g/l	lm/ft <sup>2</sup>	ms	tons
ac-ft	g/m <sup>2</sup>	lumens	mS/cm	tons/ac ft
ADMI value	g/m <sup>2</sup> /day	m	MT/km <sup>2</sup> /yr	tons/day
amps	g/m <sup>2</sup> /hr	m/sec	mV	Torr
Angst	g/m <sup>3</sup>	m <sup>2</sup>	mw	TU
atm	g/m <sup>3</sup> /day	m <sup>3</sup>	nCi/L	uE/m <sup>2</sup> /sec
AU	g/m <sup>3</sup> /hr	m <sup>3</sup> /hr	ng	ueq/L
BTU	g/min	m <sup>3</sup> /min	ng/cm <sup>3</sup>	ug
BU	g/ml	m <sup>3</sup> /sec	ng/g	ug/cm <sup>2</sup> /day
cal	g/sec	meq/L	ng/kg	ug/cm <sup>3</sup>
cfm	gal	metric ton	ng/l	ug/g
cfs	gal/day	mg	ng/m <sup>2</sup>	ug/kg
CFU	gal/hr	mg/cm <sup>3</sup>	ng/m <sup>3</sup>	ug/l
cfu/100ml	gal/min	mg/day	nm	ug/m <sup>2</sup>
cm	gal/sec	mg/g	nmi	ug/m <sup>3</sup>
cm/sec	gpg	mg/hr	nmi <sup>2</sup>	um <sup>3</sup> /l
cm <sup>2</sup>	gpm/ft	mg/kg	nmol/kg	umho
cm <sup>3</sup>	grains	mg/l	None	umho/cm
cm <sup>3</sup> /hr	Granules	mg/l CaCO <sub>3</sub>	Normal	umol
cm <sup>3</sup> /l	ha	mg/m <sup>2</sup>	NTMU	umol/m <sup>2</sup> /s
cm <sup>3</sup> /min	hours	mg/m <sup>2</sup> /day	NTRU	umol/S/m <sup>2</sup>
cm <sup>3</sup> /sec	hp	mg/m <sup>2</sup> /hr	NTU	units/cm
count	Imp gal	mg/m <sup>3</sup>	nu	uS/cm
days	in	mg/m <sup>3</sup> /day	oz	volts
Deg	in/H <sub>2</sub> O	mg/m <sup>3</sup> /hr	Pascal	Watts
deg C	in/Hg	mg/min	pCi/g	weeks
deg F	in <sup>2</sup>	mg/ml	pCi/L	yd
deg K	in <sup>3</sup>	mg/sec	pCi/m <sup>2</sup>	yd <sup>2</sup>
dl	JCU	mgal/mnth	pCi/m <sup>3</sup>	yd <sup>3</sup>
dm	Joules	mgal/year	pCi/ml	years
dm <sup>2</sup>	JTU	mgd	PCU	

## Appendix E. Valid Values for Montana Counties

BEAVERHEAD	GRANITE	POWDER RIVER
BIG HORN	HILL	POWELL
BLAINE	JEFFERSON	PRAIRIE
BROADWATER	JUDITH BASIN	RAVALLI
CARBON	LAKE	RICHLAND
CARTER	LEWIS AND CLARK	ROOSEVELT
CASCADE	LIBERTY	ROSEBUD
CHOUTEAU	LINCOLN	SANDERS
CUSTER	MADISON	SHERIDAN
DANIELS	MCCONE	SILVER BOW
DAWSON	MEAGHER	STILLWATER
DEER LODGE	MINERAL	SWEET GRASS
FALLON	MISSOULA	TETON
FERGUS	MUSSELSHELL	TOOLE
FLATHEAD	NOT APPLICABLE	TREASURE
GALLATIN	PARK	VALLEY
GARFIELD	PETROLEUM	WHEATLAND
GLACIER	PHILLIPS	WIBAUX
GOLDEN VALLEY	PONDERA	YELLOWSTONE